

Otak

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808 SW Third Avenue, Ste. 300
Portland, OR 97204
503 287 6825
www.otak.com

REGISTERED PROFESSIONAL
ENGINEER
72,629
DIGITAL SIGNATURE
OREGON
JUNE 11, 2009
KEITH BRISMAN

EXPIRES: 12/31/2019

City of Tillamook 

I & I EASTSIDE REDUCTION PROJECT

GENERAL SHEETS
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

COVER SHEET



REVISIONS _____
 NAVJ088 _____
 DATUM _____
 TBK _____
 DRAWN BY _____ CHECKED BY KJB
 FINAL _____
 STATUS _____
 DECEMBER 6, 2019 _____
 DATE _____
 16095 _____
 PROJECT NUMBER _____



CALL 48 HOURS
BEFORE YOU DIG
1-800-424-5555
"It's the Law"

GENERAL NOTES

1. ATTENTION CONTRACTORS: OREGON LAW REQUIRES YOU TO FOLLOW RULES ADOPTED BY THE OREGON UTILITY NOTIFICATION CENTER. THOSE RULES ARE SET FORTH IN OAR 952-001-0010 THROUGH OAR 952-001-0090. YOU MAY OBTAIN COPIES OF THE RULES BY CALLING THE CENTER. (NOTE: THE TELEPHONE NUMBER FOR THE OREGON UTILITY NOTIFICATION CENTER IS (503) 232-1897 OR 1-800-332-2344). AT LEAST TWO (2) BUSINESS DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OREGON UTILITY NOTIFICATION CENTER OF THE DATE AND LOCATION OF THE PROPOSED CONSTRUCTION, AND THE TYPE OF WORK TO BE PERFORMED.
2. ALL EXISTING FACILITIES TO BE MAINTAINED IN-PLACE BY THE CONTRACTOR UNLESS OTHERWISE SHOWN OR DIRECTED. CONTRACTOR TO LEAVE EXISTING FACILITIES IN AN EQUAL OR BETTER THAN ORIGINAL CONDITION AND TO THE SATISFACTION OF THE ENGINEER.
3. IN ACCORDANCE WITH O.R.S.290.140, IF THE CONTRACTOR FINDS IT NECESSARY TO INTERFERE WITH OR PAVE OVER ANY ESTABLISHED PUBLIC LAND SURVEY CORNER OR ITS ACCESSORIES, WITHIN THE PROJECT LIMITS, THE CONTRACTOR SHALL NOTIFY THE COUNTY SURVEYOR PRIOR TO DOING SO.
4. IN ACCORDANCE WITH O.R.S.290.150, CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL SURVEY MONUMENTS DISTURBED OR DESTROYED DURING CONSTRUCTION. REPLACING THE SURVEY MONUMENTS SHALL BE DONE BY A REGISTERED LAND SURVEYOR AT THE EXPENSE OF THE CONTRACTOR.
5. EXISTING UTILITY LOCATIONS SHOWN (PLAN & PROFILE) ARE APPROXIMATE ONLY. NO PREDESIGN POT-HOLING WAS DONE TO ESTABLISH THESE LOCATIONS. CONTACT UTILITY COMPANIES FOR PREMARKING. CONTRACTOR TO POT-HOLE EXISTING UTILITIES AT CONNECTION & CROSSING LOCATIONS TO VERIFY DEPTH, LOCATION & TYPE OF EXISTING WATER MAIN, SEWER MAIN & STORM MAIN PRIOR TO ORDERING CONNECTION MATERIALS. NOTIFY ENGINEER IMMEDIATELY IF EXISTING CONDITIONS VARY FROM THAT SHOWN. NOTIFY ENGINEER 24 HOURS PRIOR TO POT-HOLING.
6. CONTRACTOR SHALL VERIFY ALL CONDITIONS ON THE JOB SITE INCLUDING ALL DIMENSIONS, GRADES, ELEVATIONS, EXTENT AND COMPATIBILITY TO THE EXISTING SITE CONDITIONS, AND WITH THE WORK DESCRIBED ON THE CONTRACT DRAWINGS. ANY DISCREPANCIES OR UNEXPLAINED CONDITIONS THAT AFFECT OR CHANGE THE WORK DESCRIBED IN THE CONTRACT DOCUMENTS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION IMMEDIATELY. CONTRACTOR SHALL NOT PROCEED WITH ANY OF THE WORK IN THE AREA OF DISCREPANCIES UNTIL ALL SUCH DISCREPANCIES ARE RESOLVED. IF THE CONTRACTOR CHOOSES TO DO SO, THEN IT IS UNDERSTOOD THAT HE SHALL BE PROCEEDING AT HIS OWN RISK AND INCUR ALL COST, IF ANY, TO RESOLVE THE ISSUE TO THE SATISFACTION OF THE ENGINEER.
7. TECHNICAL SPECIFICATIONS FOR CONSTRUCTION ARE TO FOLLOW THE CONTRACT SPECIFICATIONS AND THE MOST CURRENT EDITION OF THE IBC, UPC, OREGON STANDARD SPECIFICATIONS FOR CONSTRUCTION (ODOT/APWA) SHALL BE REFERENCED WHERE CONTRACT SPECIFICATIONS DO NOT ADDRESS A SPECIFIC ITEM. SEE SPECIFICATIONS FOR CONSTRUCTION METHODS AND OTHER NOTES PERTINENT TO THIS PROJECT.
8. UPON COMPLETION OF CONSTRUCTION OF THE PROJECT, CONTRACTOR TO SUBMIT RECORD DRAWINGS TO THE ENGINEER OR CITY. THE PROJECT SHALL NOT BE CONSIDERED COMPLETE UNTIL RECORD DRAWINGS ARE ACCEPTED BY CITY.
9. CONTRACTOR MAY ENCOUNTER HIGH GROUND-WATER TABLE AT SITE LOCATION. HIGH GROUND-WATER IN COMBINATION WITH BEACH SAND SUBGRADE WILL CAUSE A "QUICK" EFFECT, WHICH WILL RESULT IN THE DESTABILIZATION OF ADJACENT SOILS, UTILITIES AND STRUCTURES. CONTRACTOR SHALL ANTICIPATE AND COORDINATE ANY AND ALL DEWATERING TECHNIQUES NECESSARY AND/OR REQUIRED TO COMPLETE PROJECT AS SPECIFIED IN THE TECHNICAL SPECIFICATIONS. CONTRACTOR SHALL BEAR ALL COSTS PERTAINING TO DEWATERING EFFORTS.

ROADWORK/SITEWORK

10. CONTRACTOR SHALL RESTORE ALL SURFACES TO MATCH EXISTING AND ADJACENT GRADES.

11. ALL DESIGN ELEVATIONS SHOWN SHALL BE CONSIDERED TO BE FINISH SURFACE ELEVATIONS UNLESS OTHERWISE NOTED, ALL SURFACES SHALL BE GRADED SMOOTH AND FREE OF IRREGULARITIES THAT COULD ACCUMULATE SURFACE WATER.

12. THE CONTRACTOR SHALL HAVE A SUFFICIENT NUMBER OF COMPACTION TESTS PERFORMED TO MEET SPECIFICATION REQUIREMENTS AT THE CONTRACTOR'S EXPENSE. TESTS SHALL BE PERFORMED BY A QUALIFIED TESTING AGENCY AND WRITTEN RESULTS SHALL BE PROVIDED TO THE APPROPRIATE AGENCY. SHOULD COMPACTION REQUIREMENTS NOT BE MET, CONTRACTOR SHALL RECOMPACT AND PAY ALL ADDITIONAL TESTING COSTS RELATED TO THE RECOMPACTION.

SIGNAGE

13. CONTRACTOR SHALL ERECT AND MAINTAIN BARRICADES, WARNING SIGNS, TRAFFIC CONES PER ODOT REQUIREMENTS. ACCESS TO EXISTING DRIVEWAYS AND BUSINESSES TO BE MAINTAINED AT ALL TIMES, CONTRACTOR SHALL REPLACE ALL SIGNS REMOVED DURING CONSTRUCTION, CITY TO APPROVE INSTALLATION.

WATER

14. INSPECTION BY ENGINEER OR CITY REPRESENTATIVE OF WATER SYSTEMS PRIOR TO BACKFILL SHALL BE REQUIRED.

15. CONTRACTOR TO COORDINATE PLACEMENT OF WATER SERVICE METER WITH CITY PUBLIC WORKS.

16. WATERLINE FITTINGS MUST BE FULLY RESTRAINED BY THRUST BLOCKS AND APPROVED RESTRAINT SYSTEM UNLESS SPECIFICALLY OTHERWISE INDICATED ON THESE DOCUMENTS.

17. CONNECTION OF NEW WATER SERVICE TO EXISTING MAIN SHALL BE COORDINATED WITH CITY STAFF. ALL WATER MAIN VALVES SHALL ONLY BE OPERATED BY CITY PERSONNEL. NO EXCEPTIONS UNLESS AUTHORIZED IN WRITING BY CITY.

18. POT-HOLE EXISTING WATER PIPES FOR CONNECTION OF NEW WATER SYSTEM. ALL INVERT ELEVATIONS, PIPE SIZES AND MATERIALS ARE TO BE MEASURED BY CONTRACTOR PRIOR TO ORDERING ANY MATERIALS FOR THE WATER SYSTEM.

STORM & SEWER

19. POT-HOLE EXISTING STORM AND SEWER PIPES FOR CONNECTION OF NEW SYSTEMS. ALL INVERT ELEVATIONS, PIPE SIZES AND MATERIALS ARE TO BE MEASURED BY CONTRACTOR PRIOR TO ORDERING ANY MATERIALS.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING ALL CATCH BASINS, CLEANOUTS, MANHOLES, VAULTS, ETC., THAT ARE AFFECTED BY CONSTRUCTION AND/OR FILL TO FINISH GRADE. STORM DRAIN INLET STRUCTURES SHALL BE ADJUSTED SO WATER FLOWS INTO THE STRUCTURE WITHOUT PONDING.

DEMOLITION

21. CONTRACTOR TO DEVELOP A CONSTRUCTION PHASING PLAN AND PROVIDE IT TO THE CITY AND ENGINEER PRIOR TO BEGINNING CONSTRUCTION. PLAN SHALL INDICATE STAGES OF DEMOLITION AND DURATION OF OUTAGES. ALL OUTAGES ARE TO BE KEPT TO A MINIMUM.




































TRAFFIC CONTROL

22. THE CONTRACTOR SHALL DEVELOP AND SUBMIT A TRAFFIC CONTROL PLAN FOR REVIEW AND APPROVAL. THE TRAFFIC CONTROL PLAN SHALL DETAIL INTERSECTIONS WITHIN THE PROJECT ZONE, IN ACCORDANCE WITH SECTION 00220 AND SECTION 00225 OF THE PROJECT SPECIFICATIONS.

NOISE ORDINANCE

23. CITY NOISE ORDINANCE 130.08 STATES THAT NOISE IS ACCEPTABLE FROM 7 AM TO 6 PM. CITY COUNCIL APPROVAL IS REQUIRED IF NIGHT WORK IS INTENDED. THE CITY REQUIRES THREE WEEK'S NOTICE FOR APPROVAL.

LEGEND

EXISTING		PROPOSED	
	CATCH BASIN		SANITARY SEWER MANHOLE
	WOODEN POST		SANITARY SEWER CLEANOUT
	SANITARY SEWER MANHOLE		
	SANITARY SEWER CLEANOUT		
	MULTI-USE POWER POLE		
	GUY WIRE		
	AREA DRAIN		
	POWER RISER		
	WATER VALVE		
	WATER METER		
	WATER FIRE HYDRANT		
	COMMUNICATIONS RISER		
	CONTROL POINT		
	STORM DRAIN MANHOLE		
	MAIN SANITARY SEWER LINE		MAIN SANITARY SEWER LINE
	SANITARY SEWER LATERAL		SANITARY SEWER LATERAL
	COMMUNICATIONS LINE		
	UNDERGROUND ELECTRIC LINE		
	STORM SEWER LINE		
	WATER LINE		
	EDGE OF ASPHALT		
	EDGE OF GRAVEL		
	RIGHT OF WAY AND TAXLOTS		
	SEDIMENT FENCE		
	GRAVEL RESTORATION		
	CONCRETE RESTORATION		
	LAWN RESTORATION		

SURVEY NOTES

NARRATIVE:

THE PURPOSE OF THIS SURVEY IS TO PROVIDE THE CITY OF TILLAMOOK WITH A TOPOGRAPHIC MAP WITH EMPHASIS ON THE EXISTING SANITARY SEWER LINE AND CORRESPONDING UTILITY CROSSINGS. SURVEY DATA WAS COLLECTED VIA TERRESTRIAL METHODS AND GPS RTK OBSERVATIONS. FIELD TIES TO UTILITIES ARE BASED ON PAINT MARKS OF UTILITY LOCATE ON CALL. TIES WERE MADE WITH TRIMBLE S6 TOTAL STATION TERRESTRIAL OBSERVATIONS BETWEEN THE DATES OF JULY 30-AUGUST 08, 2014.

THE UTILITY COMPANIES WHO PLACE THE PAINT MARKS DO NOT GUARANTEE THEIR SURFACE LOCATES TO BE FREE OF ERRORS OR OMISSIONS, THEREFORE OTAK RESERVES THE SAME LIMITATIONS.

BASIS OF BEARING:

THE BASIS OF BEARING FOR THIS PROJECT IS GRID NORTH. THE HORIZONTAL DATUM IS NAD83(CORS 11) EPOCH 2010.00, PROJECTED ONTO OREGON NORTH ZONE (3601) STATE PLANE (GRID) COORDINATES IN INTERNATIONAL FEET. BEARINGS SHOWN HERE ON ARE GRID.

THE VERTICAL DATUM IS NAVD88(GEOD 12), HOLDING NGS BENCH MARK "C 223" (PID: R01010) PUBLISHED ORTHOMETRIC ELEVATION OF 55.45'

ABBREVIATIONS

ADA	= AMERICANS WITH DISABILITIES ACT	IPS	= IRON PIPE SIZE
AVE	= AVENUE	L	= LENGTH
BNSF	= BURLINGTON NORTHERN SANTA FE	LF	= LINEAR FEET
BO	= BLOW OFF	MAX	= MAXIMUM
BTM	= BOTTOM	MH	= MANHOLE
CARV	= COMBINATION AIR RELEASE VALVE	MIN	= MINIMUM
CB	= CATCH BASIN	MJ	= MECHANICAL JOINT
CIPP	= CURED IN PLACE PIPE	N	= NORTH, NORTHING
CL	= CENTERLINE	NIC	= NOT IN CONTRACT
CONC	= CONCRETE	OC	= ON CENTER
CONN	= CONNECTION	OHW	= ORDINARY HIGH WATER
CSBC	= CRUSHED SURFACING BASE COURSE	PE	= PLAIN END
DEC	= DECIDUOUS	PI	= POINT OF INTERSECTION
DI	= DUCTILE IRON	PIP	= PLASTIC IRRIGATION PIPE
DIP	= DUCTILE IRON PIPE	PL	= PIPELINE
DBH	= DIAMETER AT BREAST HEIGHT	PS	= PUMP STATION
DIA	= DIAMETER	PT	= POINT OF TANGENCY
E	= EAST, EASTING	PVC	= POLYVINYL CHLORIDE
ELEV	= ELEVATION	R	= RADIUS
EOG	= EDGE OF GRAVEL	REQ'D	= REQUIRED
EOP	= EDGE OF PAVEMENT	ROW	= RIGHT OF WAY
EX	= EXISTING	R.R.	= RAILROAD
FA	= FORCED AIR	S	= SLOPE
FF	= FINISHED FLOOR ELEVATION	SS	= SANITARY
FG	= FINISHED GRADE	SD	= STORM DRAIN
FL	= FLANGE	SDR	= STANDARD DIMENSION RATIO
FM	= FORCE MAIN	STA	= STATION
FT	= FEET	STM	= STORM
HMA	= HOT MIX ASPHALT	TBW	= TOP BACK OF WALL
HORIZ	= HORIZONTAL	TYP	= TYPICAL
IE	= INVERT ELEVATION	VERT	= VERTICAL

UTILITY PROVIDERS

- ONE CALL CENTER - CALL BEFORE YOU DIG!

(800) 332-2344 (ONE-CALL CENTER)
(877) 668-4001 (ADMINISTRATIVE)

ATTENTION EXCAVATORS: OREGON LAW REQUIRES COMPLIANCE WITH OAR 952-001-0010 THROUGH OAR 952-001-0090. THESE RULES MAY BE OBTAINED BY CALLING OREGON UTILITY NOTIFICATION CENTER, (503) 232-1987. CONTRACTOR MUST NOTIFY THE CENTER AT LEAST TWO (2) WORKING DAYS BEFORE, BUT NOT MORE THAN TEN (10) DAYS BEFORE COMMENCING EXCAVATION.

- WATER/SEWER/STORM

TIM LYDA - PUBLIC WORKS DIRECTOR
210 LAUREL AVE.
TILLAMOOK, OREGON 97141
(503) 374-1826 (OFFICE)
(503) 812-8802 (CELL)

- ELECTRICITY

TILLAMOOK PEOPLE'S UTILITY DISTRICT
JAMES AMAN
1115 PACIFIC AVE, TILLAMOOK, OR 97141
(503) 842-2535 (OFFICE)
(503) 815-8629 (ENGINEERING DIRECT)
(800) 422-2535 (TOLL FREE)
(800) 842-2122 (EMERGENCY)

- TELEPHONE

CENTURYLINK
SCOTT SCHIMINESKY
PACIFIC CITY, OR 97141
(503) 965-9918

- CABLE TELEVISION

SPECTRUM
1014 PACIFIC AVE, TILLAMOOK, OR 97141
(855) 757-7328



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I & I EASTSIDE REDUCTION PROJECT

GENERAL SHEETS
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

GENERAL NOTES AND LEGEND

TITLE
#
DATE
DESCRIPTION

REVISIONS

NAVD88	DATUM
TSK	KJB
DRAWN BY	CHECKED BY
FINAL	STATUS
DECEMBER 6, 2019	DATE
18695	PROJECT NUMBER

G02

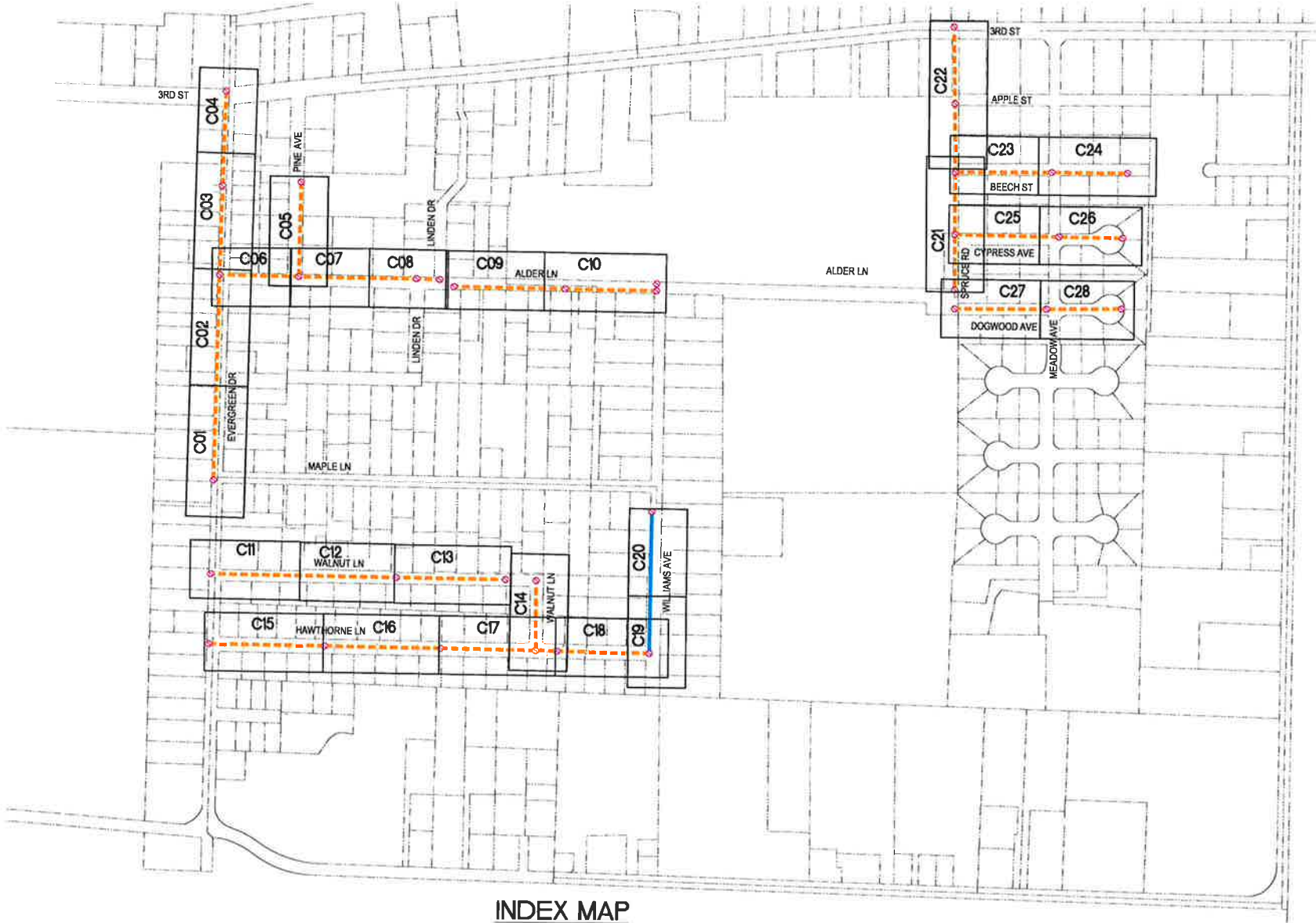
SHEET 02 OF 36
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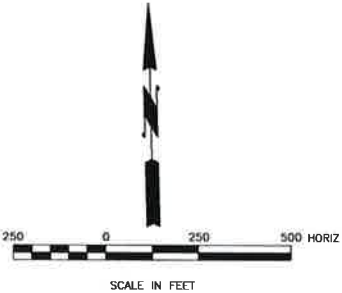
If this drawing is not 22" x 34", it has been reduced/enlarged. Scale accordingly.

LOCATION	SHEETS	PIPE SIZE	BID SCHEDULE
EVERGREEN DR. – NORTH	C01–C04	10-INCH	BASE BID
PINE AVE.	C05	8-INCH	ADD 1
WEST ALDER LN.	C06–C10	8-INCH	BASE BID
WALNUT LN.	C11–C14	8-INCH	BASE BID
HAWTHORNE LN.	C15–C18	8-INCH	ADD 3
SOUTH WILLIAMS AVE. CIPP	C19–C20	8-INCH	ADD 4
SPRUCE AVE.	C21–C22	10-INCH	ADD 2
BEECH ST.	C23–C24	8-INCH	ADD 5
CYPRESS ST.	C25–C26	8-INCH	ADD 6
DOGWOOD ST.	C27–C28	8-INCH	ADD 7



LEGEND

- OPEN CUT– SEWER PIPE REPLACEMENT
- CIPP– SEWER PIPE REHABILITATION
- EXISTING SEWER MANHOLE



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JUNE 11, 2019
KEITH BUISMAN

EXPIRES: 12/31/2019

STAMP

City of Tillamook

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I & I EASTSIDE REDUCTION PROJECT

GENERAL SHEETS
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

INDEX MAP & BID SCHEDULES

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SHEET 03 OF 36		
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EVERGREEN DRIVE CONSTRUCTION CENTERLINE HORIZONTAL CONTROL			
NUMBER	BEGIN STATION	LENGTH	BEARING
L11	45+76.33	705.44'	N2°38'25"E
L12	52+81.77	305.70'	N2°49'29"E
L13	55+87.47	342.79'	N3°09'28"E

HAWTHORNE LANE CONSTRUCTION CENTERLINE HORIZONTAL CONTROL			
NUMBER	BEGIN STATION	LENGTH	BEARING
L14	60+00.00	45.51'	N52°50'31"E
L15	60+45.51	359.39'	S88°06'26"E
L16	64+04.90	401.41'	S88°02'53"E
L17	68+06.31	324.77'	S87°55'07"E

WILLIAMS AVENUE CONSTRUCTION CENTERLINE HORIZONTAL CONTROL			
NUMBER	BEGIN STATION	LENGTH	BEARING
L19	80+00.00	104.00'	N2°08'08"E
L20	81+04.00	486.17'	N2°01'19"E
L21	85+90.17	73.62'	N3°30'58"E

SPRUCE ROAD CONSTRUCTION CENTERLINE HORIZONTAL CONTROL			
NUMBER	BEGIN STATION	LENGTH	BEARING
L26	120+00.00	72.27'	N0°48'09"E
L27	120+72.27	190.20'	N1°14'12"E
L28	122+62.47	213.96'	N1°12'43"E
L29	124+76.42	236.44'	N0°48'30"E
L30	127+12.87	287.13'	N0°13'27"E

WALNUT LANE CONSTRUCTION CENTERLINE HORIZONTAL CONTROL			
NUMBER	BEGIN STATION	LENGTH	BEARING
L31	140+00.00	261.69'	N1°36'03"E
L32	142+61.69	105.24'	N87°24'16"W
L33	143+66.94	378.87'	N88°09'47"W
L34	147+45.81	315.47'	N88°20'53"W
L35	150+61.28	288.19'	N88°13'19"W
L36	153+49.46	50.53'	S55°36'41"W

PINE AVENUE CONSTRUCTION CENTERLINE HORIZONTAL CONTROL			
NUMBER	BEGIN STATION	LENGTH	BEARING
L40	180+00.00	330.18'	N2°21'41"E

ALDER LANE CONSTRUCTION CENTERLINE HORIZONTAL CONTROL			
NUMBER	BEGIN STATION	LENGTH	BEARING
L44	200+00.00	327.82'	N88°01'08"W
L45	203+27.82	397.18'	N88°03'02"W

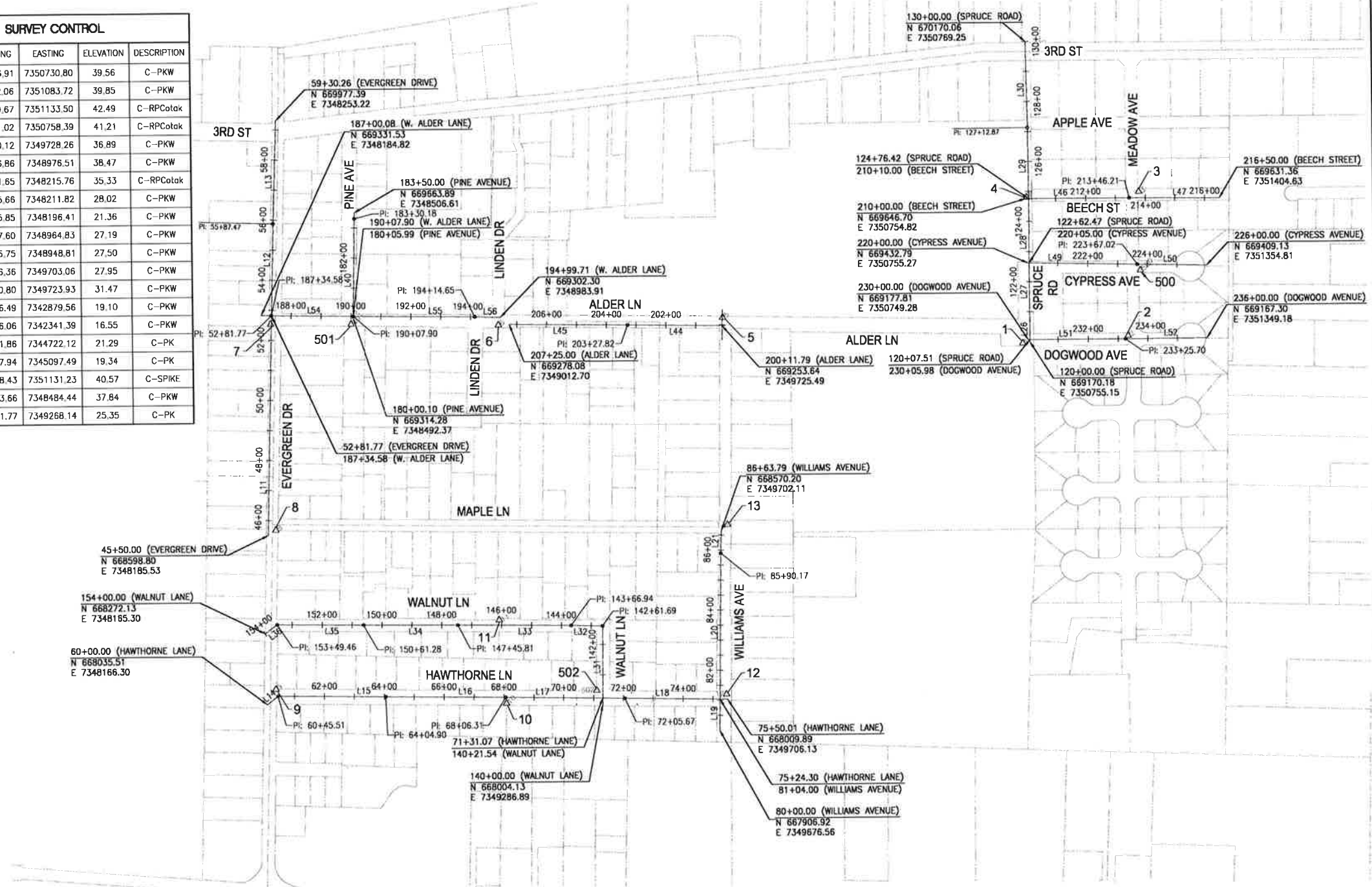
W. ALDER LANE CONSTRUCTION CENTERLINE HORIZONTAL CONTROL			
NUMBER	BEGIN STATION	LENGTH	BEARING
L54	187+34.58	273.32'	S87°58'59"E
L55	190+07.90	406.75'	S88°05'14"E
L56	194+14.65	85.07'	S87°06'12"E

CYPRESS AVENUE CONSTRUCTION CENTERLINE HORIZONTAL CONTROL			
NUMBER	BEGIN STATION	LENGTH	BEARING
L49	220+00.00	367.02'	S87°44'41"E
L50	223+67.02	232.98'	S87°43'55"E

SURVEY CONTROL				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	669166.91	7350730.80	39.56	C-PKW
2	669182.06	7351083.72	39.85	C-PKW
3	669659.67	7351133.50	42.49	C-RPCotak
4	669651.02	7350758.39	41.21	C-RPCotak
5	669280.12	7349728.26	36.89	C-PKW
6	669276.86	7348976.51	38.47	C-PKW
7	669301.65	7348215.76	35.33	C-RPCotak
8	668615.66	7348211.82	28.02	C-PKW
9	668085.85	7348196.41	21.36	C-PKW
10	668017.60	7348964.83	27.19	C-PKW
11	668295.75	7348948.81	27.50	C-PKW
12	668026.36	7349703.06	27.95	C-PKW
13	668590.80	7349723.93	31.47	C-PKW
14	667826.49	7342879.56	19.10	C-PKW
15	668036.06	7342341.39	16.55	C-PKW
16	667851.86	7344722.12	21.29	C-PK
17	667697.94	7345097.49	19.34	C-PK
500	669398.43	7351131.23	40.57	C-SPIKE
501	669293.66	7348484.44	37.84	C-PKW
502	668051.77	7349268.14	25.35	C-PK

BEECH STREET CONSTRUCTION CENTERLINE HORIZONTAL CONTROL			
NUMBER	BEGIN STATION	LENGTH	BEARING
L46	210+00.00	346.21'	S88°53'00"E
L47	213+46.21	303.79'	S88°22'42"E

DOGWOOD AVENUE CONSTRUCTION CENTERLINE HORIZONTAL CONTROL			
NUMBER	BEGIN STATION	LENGTH	BEARING
L51	230+00.00	325.70'	S88°51'45"E
L52	233+25.70	274.30'	S89°09'19"E



SURVEY CONTROL MAP

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SURVEY CONTROL PLAN

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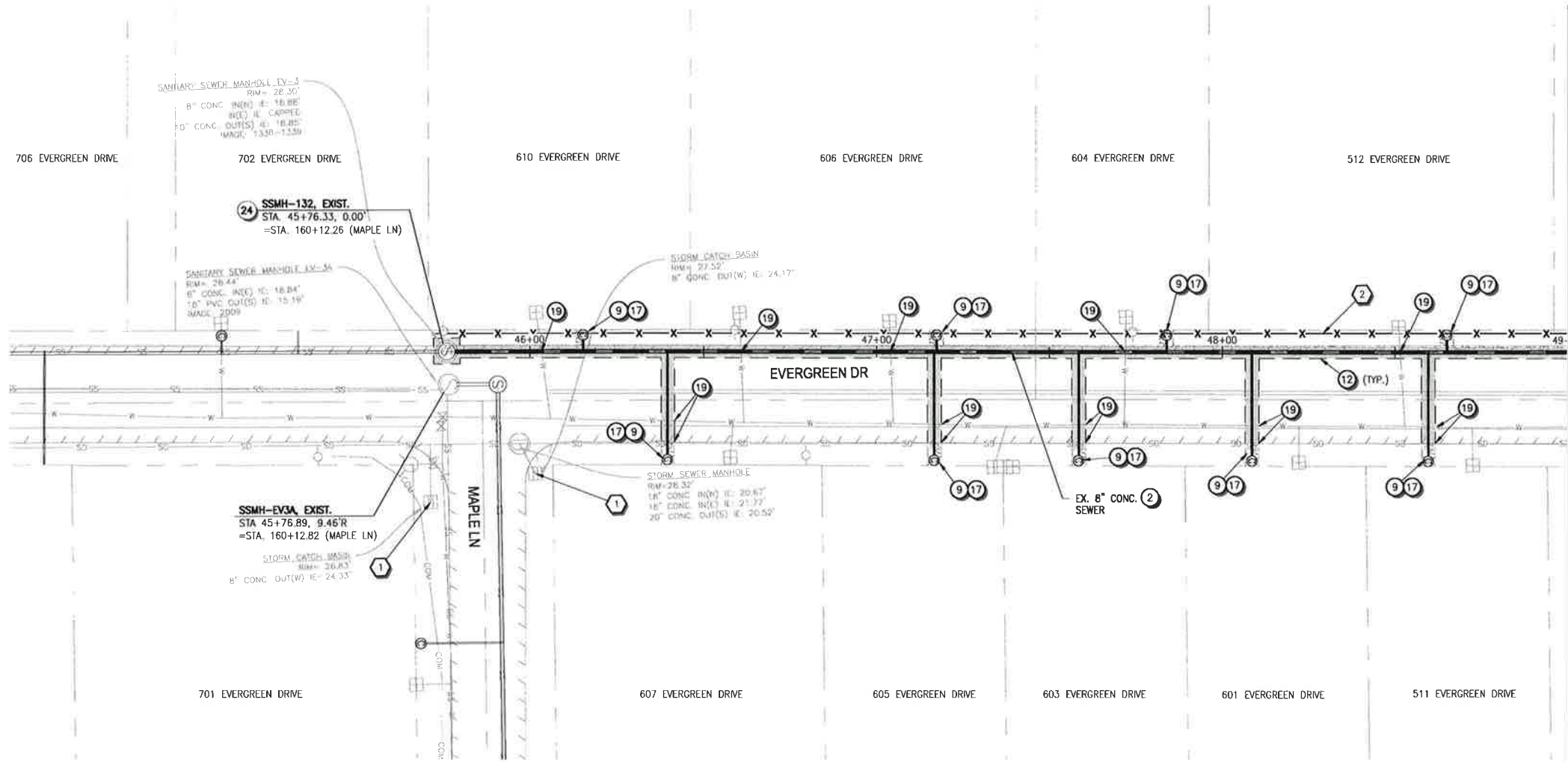
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SC01
SHEET 04 OF 36
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PLAN

MATCHLINE STA. 49+00 SEE SHEET C02

GENERAL NOTES

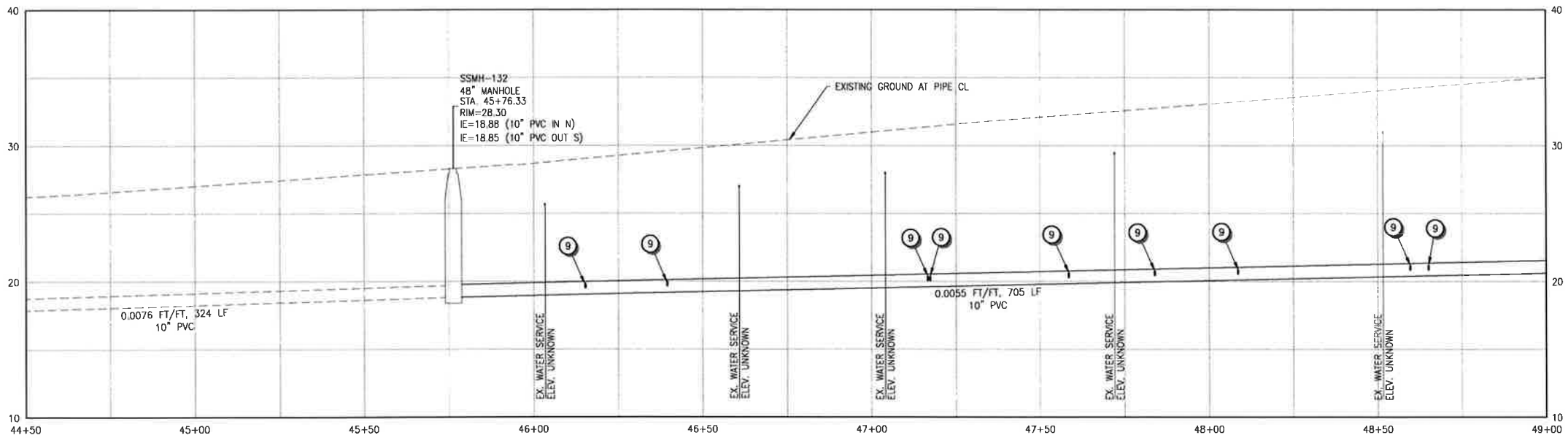
- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

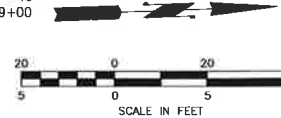
- 1 INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- 2 SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04, NO FENCE ACROSS DRIVEWAY APRONS.

KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01.



PROFILE



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I & I EASTSIDE REDUCTION PROJECT

SANITARY SEWER PLAN AND PROFILE
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

EVERGREEN DR. STA 45+76 - STA 49+00

TITLE

DATE DESCRIPTION

REVISIONS

NAVD83

DATUM

TBK

DRAWN BY

CHECKED BY

FINAL

STATUS

DECEMBER 6, 2019

DATE

18695

PROJECT NUMBER

C01

SHEET 05 OF 36

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SANITARY SEWER PLAN AND PROFILE
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

EVERGREEN DR. STA 49+00 - STA 53+00

TITLE		
#	DATE	DESCRIPTION

REVISIONS

NAVD88

TØK KJ

FINAL

DECEMBER 6, 2019

18695

PROJECT NUMBER

CO2

CO2

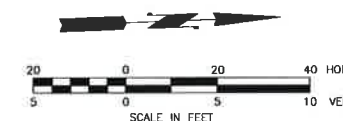
QUEST 26 OF 26

SHEET 06 OF 36
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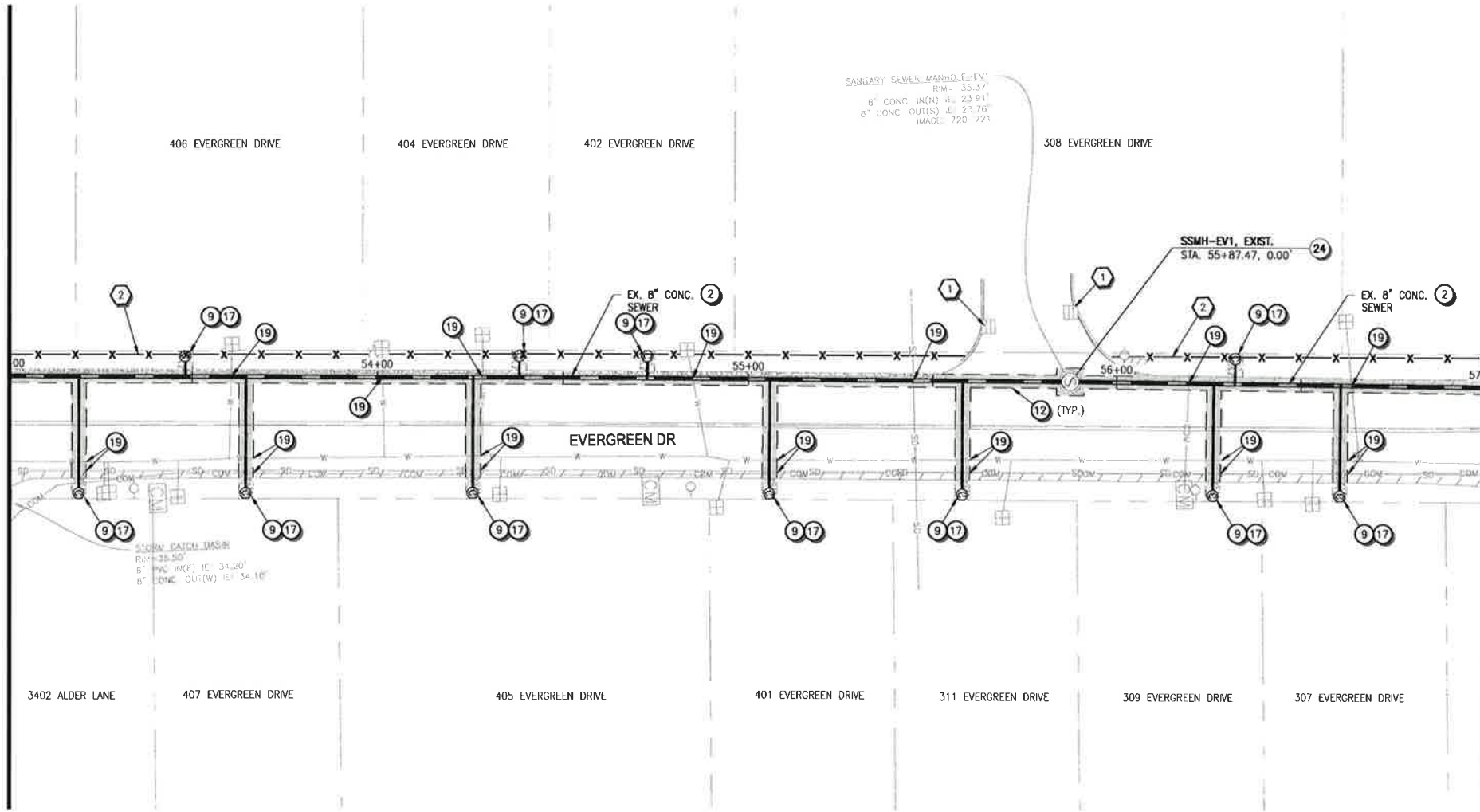
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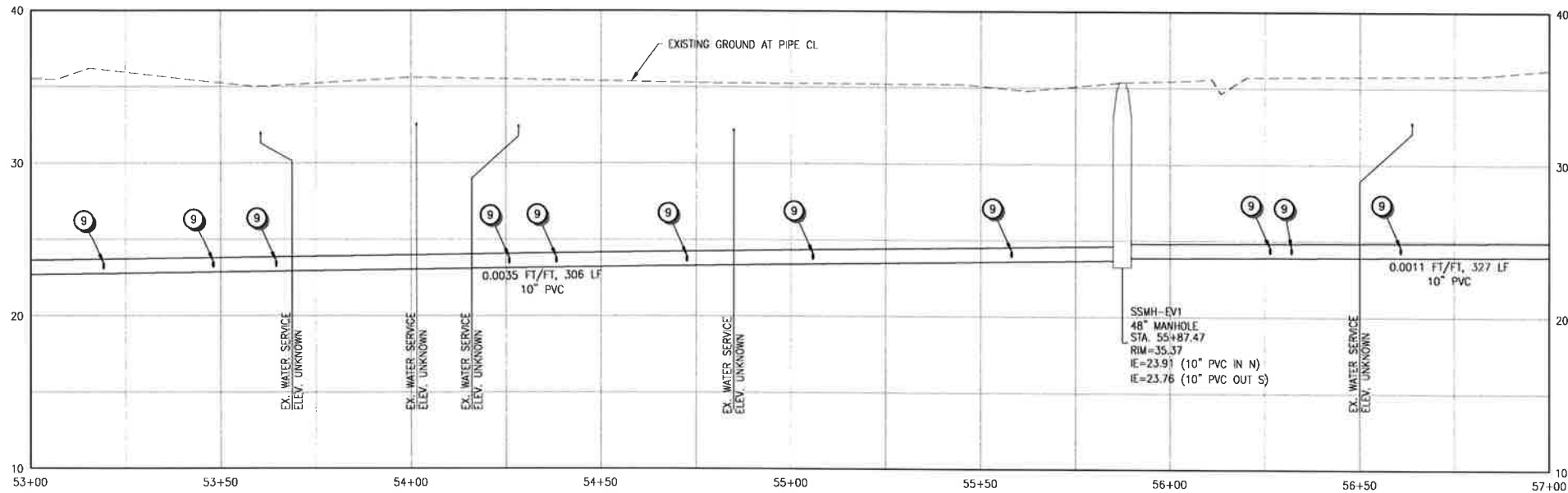
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Plotted: Dec 05 2019 - 1:42pm keltb
L:\Project\1860018695\ICADD\ACADDwg\IC18695_C01_C04.dwg Layout Name: C02

MATCHLINE STA. 53+00 SEE SHEET 02



PLAN



PROFILE

GENERAL NOTES

- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

- 1 INLET PROTECTION PER STD DWG R01015 ON SHEET D04
- 2 SEDIMENT FENCE PER STD DWG R01040 ON SHEET D04, NO FENCE ACROSS DRIVEWAY APRONS.

KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET D02
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01



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SANITARY SEWER PLAN AND PROFILE
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

EVERGREEN DR. STA 53+00 - STA 57+00

TITLE

DATE DESCRIPTION

REVISIONS

NAV08
DUTUM

TBK KJB
DRAWN BY CHECKED BY

FINAL
STATUS

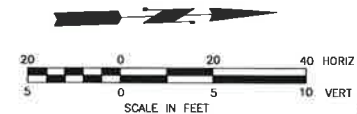
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DATE

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PROJECT NUMBER

C03

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SANITARY SEWER PLAN AND PROFILE
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

EVERGREEN DR. STA 57+00 - STA 60+00

TITLE	
#	DATE DESCRIPTION
REVISIONS	
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DATUM	
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DECEMBER 8, 2019	
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PROJECT NUMBER	

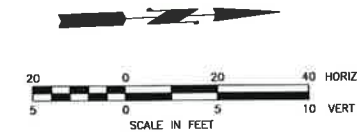
C04
SHEET 08 OF 36
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- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

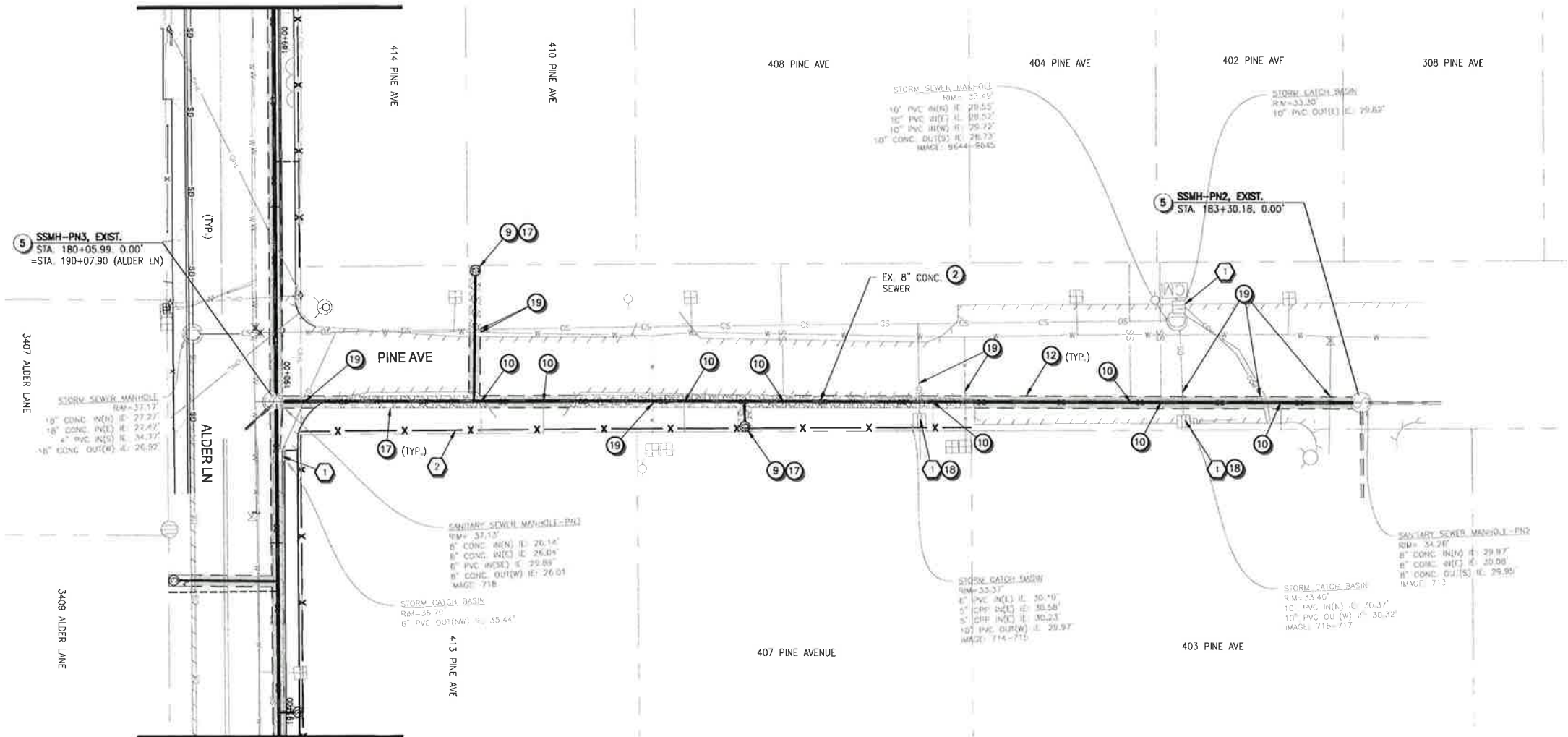
- 1 INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- 2 SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04. NO FENCE ACROSS DRIVEWAY APRONS.

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 580 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01.



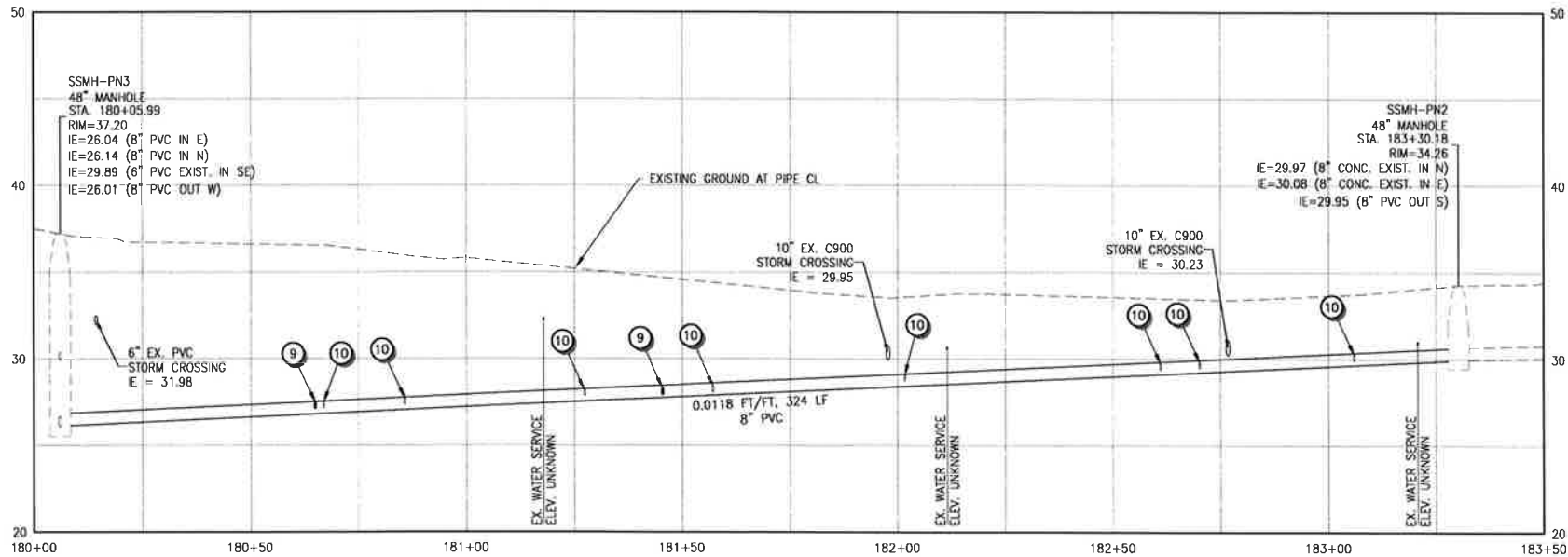
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CONTINUED ON SHEET C06



CONTINUED ON SHEET C07

PLAN



PROFILE

GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04, NO FENCE ACROSS DRIVEWAY APRONS

KEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE
- CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY
- INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL
- INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET D02
- SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02
- RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY
- EXISTING STRUCTURE TO REMAIN. CONTRACTOR TO REMOVE, PROTECT, AND REPLACE STRUCTURE AS REQUIRED FOR INSTALLATION OF SANITARY SEWER IMPROVEMENTS
- EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION



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SANITARY SEWER PLAN AND PROFILE

CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

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TITLE

DATE DESCRIPTION

REVISIONS

NAVD88
DATUM
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FINAL
STATUS
DECEMBER 6, 2019
DATE
16595
PROJECT NUMBER

C05

SHEET 09 OF 36

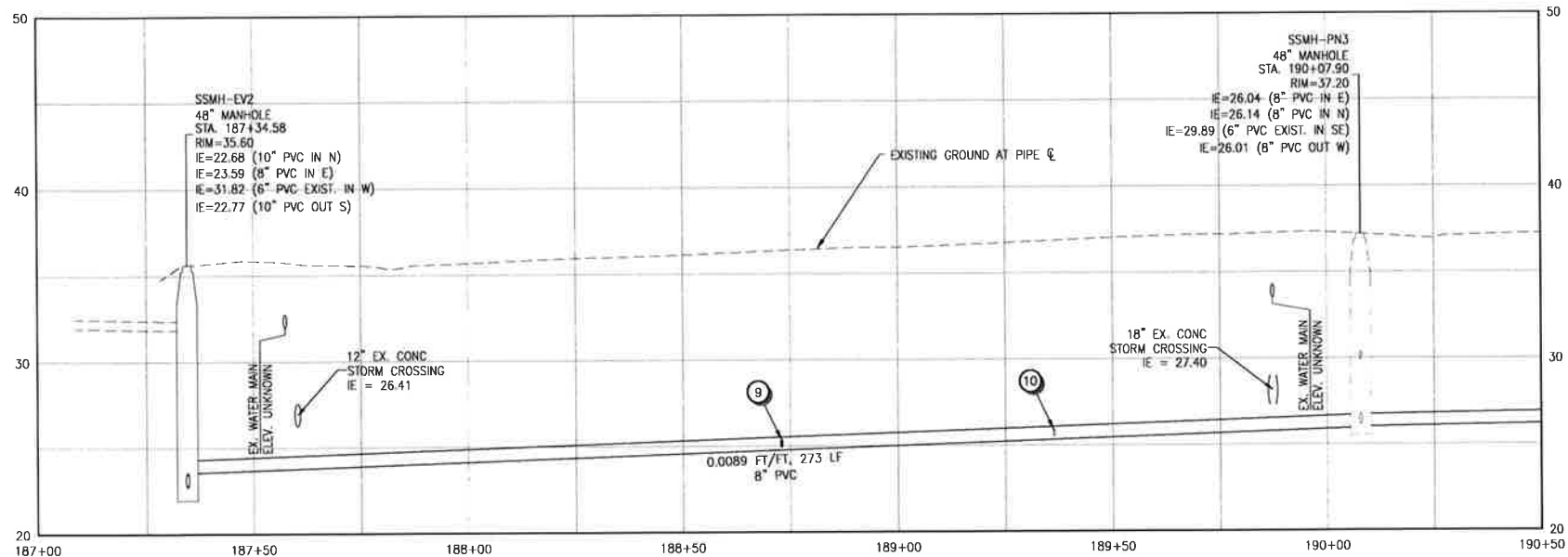
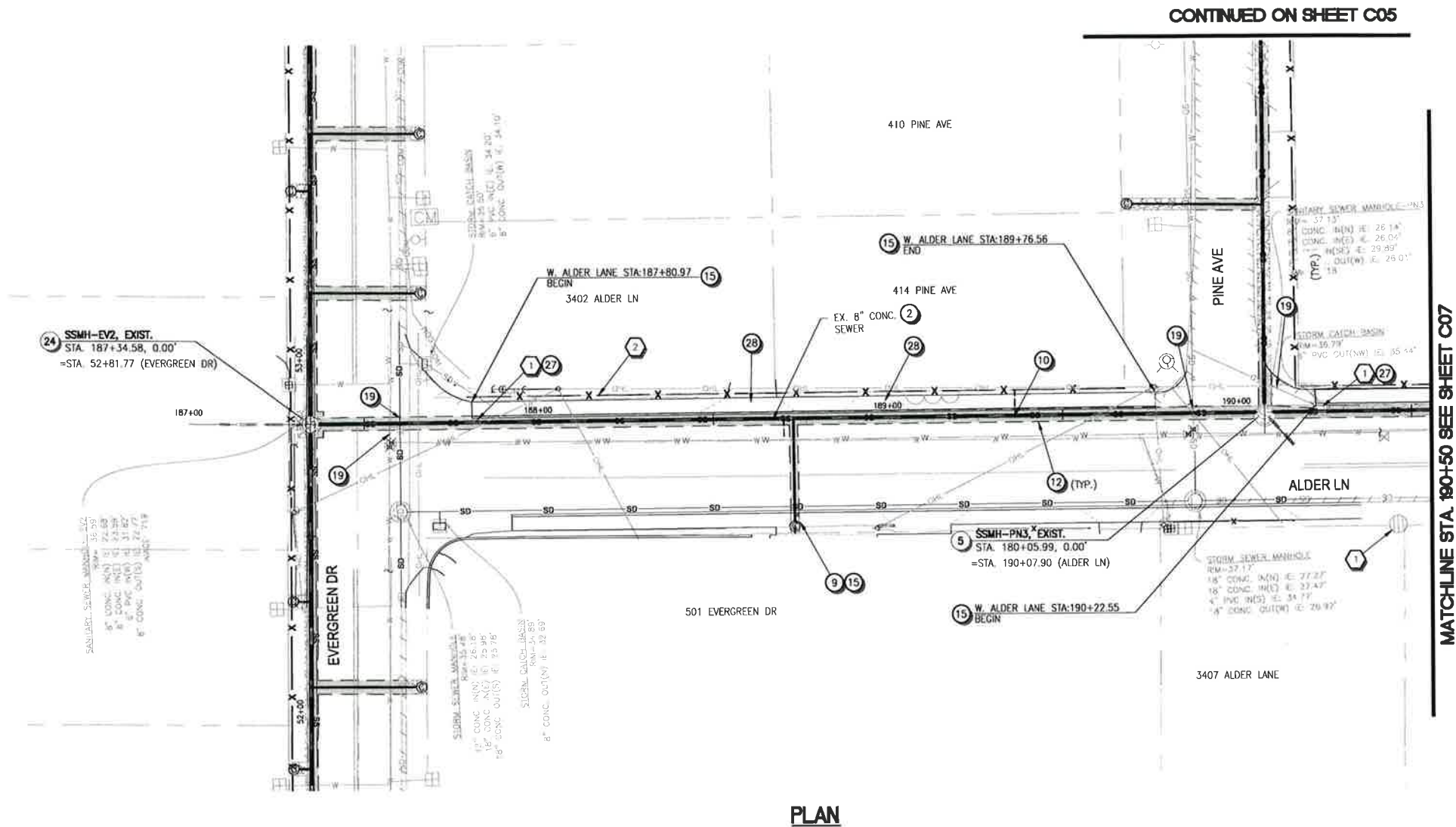
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GENERAL NOTES

- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL.
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS.

EROSION CONTROL NOTES

- 1 INLET PROTECTION PER STD DWG RD1015 ON SHEET D04.
- 2 SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04. NO FENCE ACROSS DRIVEWAY APRONS.

KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET D02.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET D03, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01.
- 27 REPLACE EXISTING CATCH BASIN PER DETAIL 300 ON SHEET D01.
- 28 REPLACE EXISTING DRIVEWAY PER DETAIL 1040-ST ON SHEET D03.



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TITLE

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NAVD83 DATUM

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DECEMBER 6, 2019 DATE

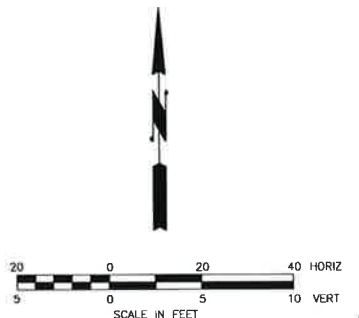
18695 PROJECT NUMBER

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SHEET 10 OF 36

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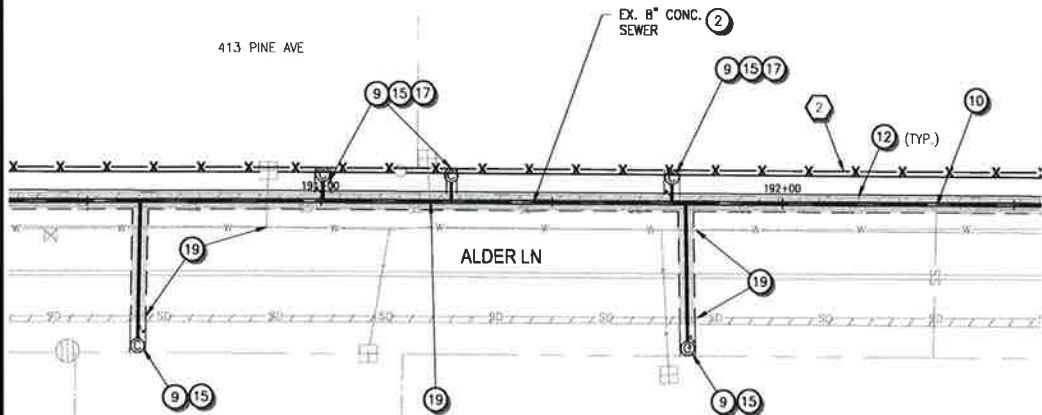
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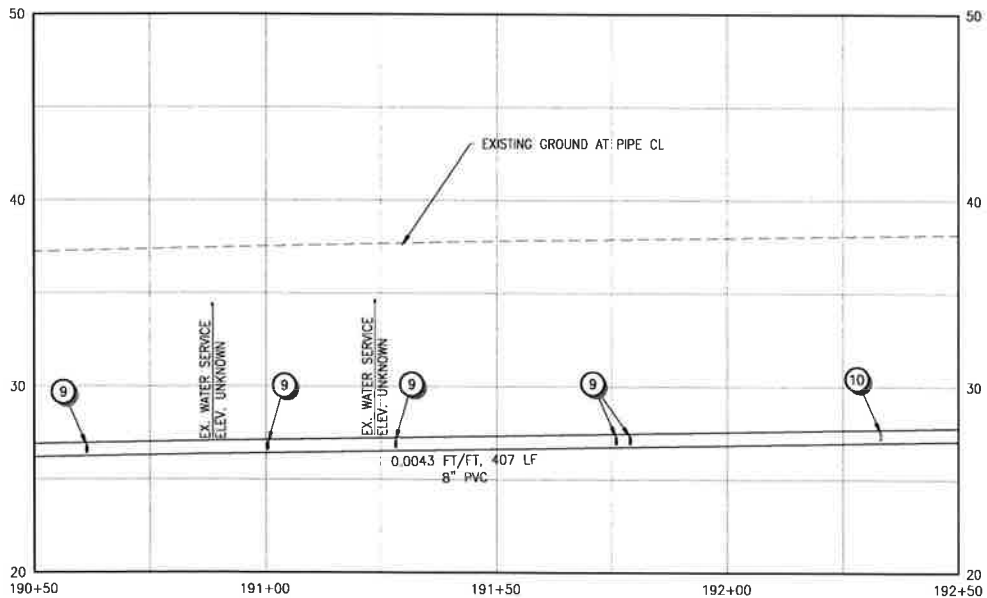
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MATCHLINE STA. 190+50 SEE SHEET C06



MATCHLINE STA. 192+50 SEE SHEET C08

PLAN



PROFILE

GENERAL NOTES

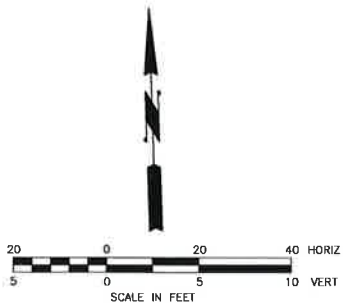
- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL.
- LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS.

EROSION CONTROL NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04.
- SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04. NO FENCE ACROSS DRIVEWAY APRONS.

KEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET D02.
- SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION, RESURFACE PER COT STD DWG 600 ON SHEET D02.
- REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET D03, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS.
- RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.



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SANITARY SEWER PLAN AND PROFILE
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

ALDER LN. STA 190+50 - STA 192+50

TITLE
DATE DESCRIPTION

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PROJECT NUMBER

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SHEET 11 OF 36
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- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

- 1 INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- 2 SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04, NO FENCE ACROSS DRIVEWAY APRONS.

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT. FERRY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE. PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET D02.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-51 ON SHEET D03, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.

ALDER LN. STA 204+00 - STA 207+50

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NAVD88
DATUM

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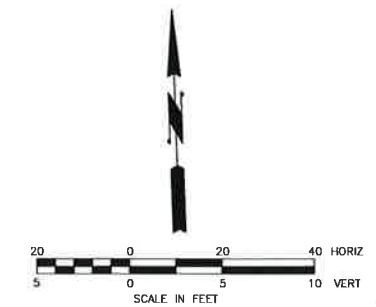
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DECEMBER 6, 2019 _____
DATE _____

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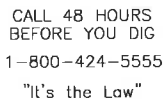
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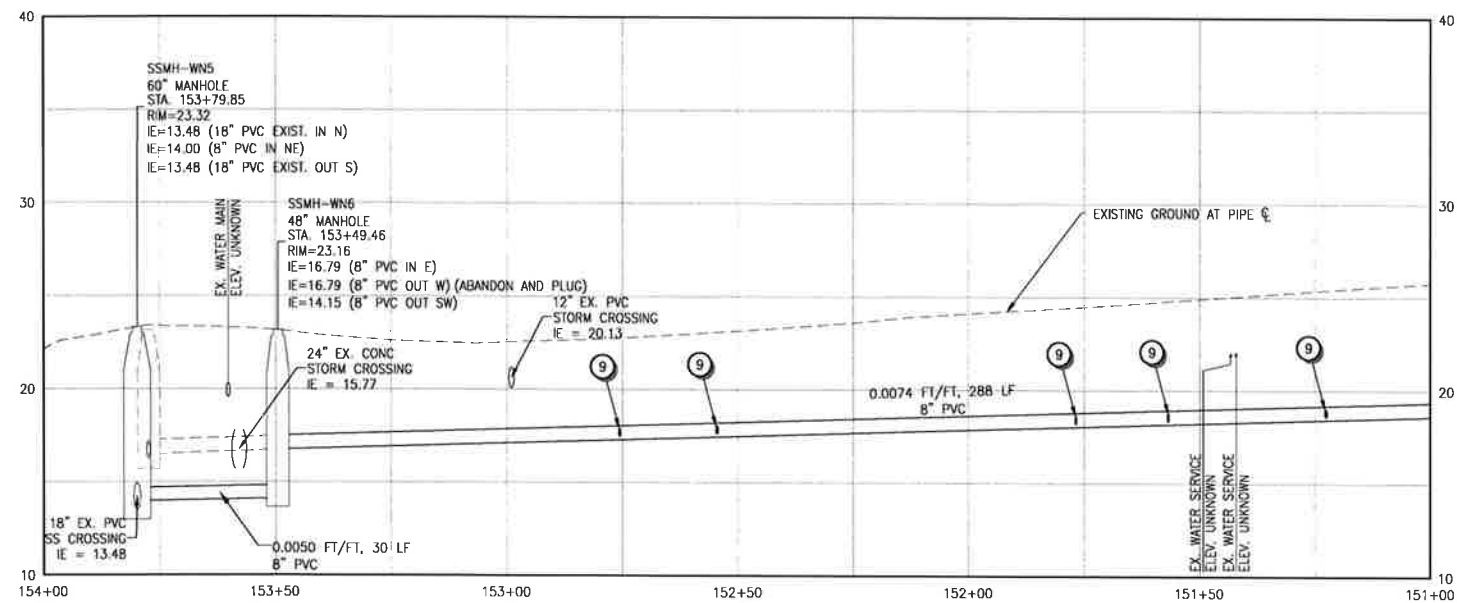
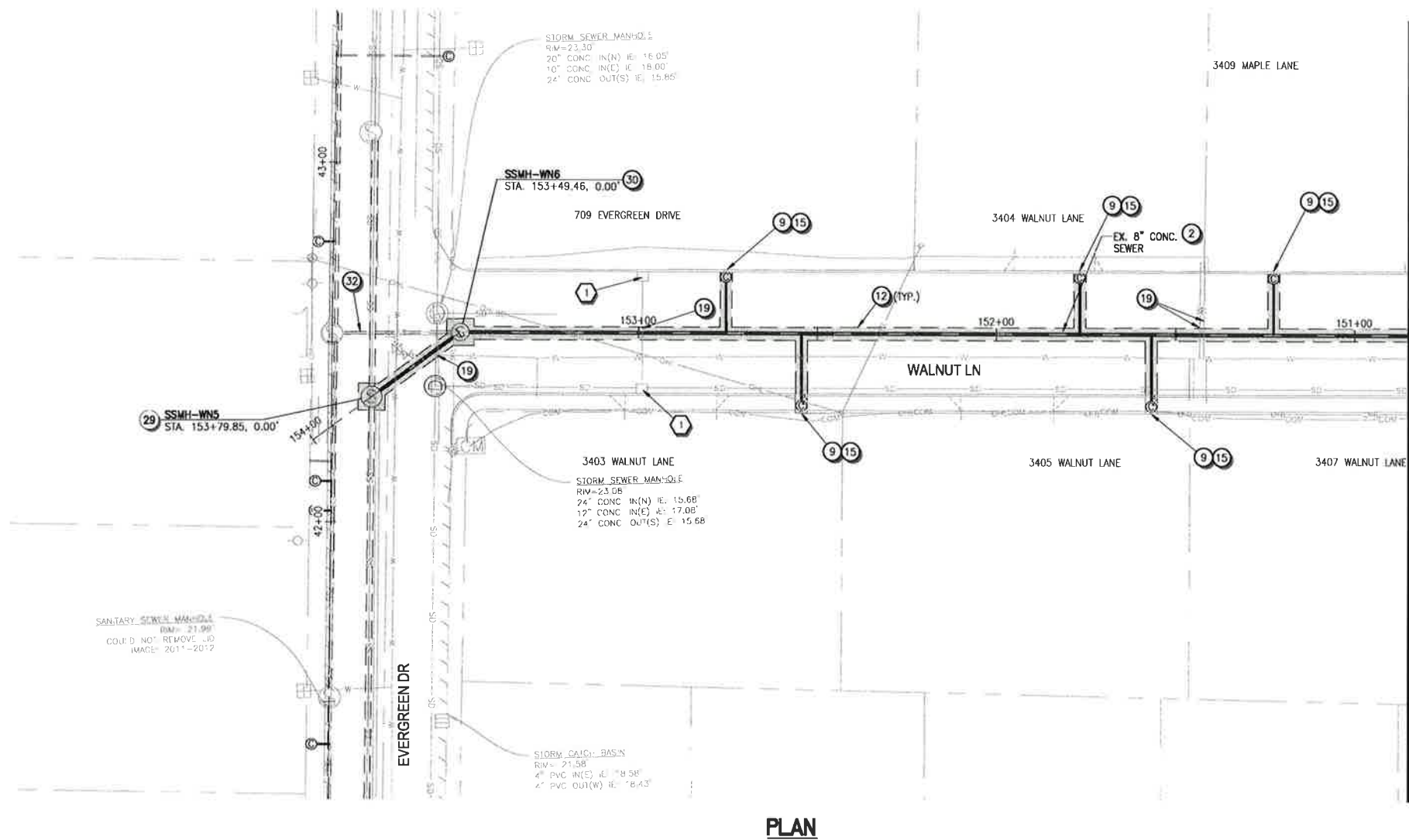


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- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX. MANHOLE USING KOR--N-SE BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANEL EXIST MANHOLE BASE AS NECESSARY.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE. PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE. PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET D02.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCH AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET D03, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANEL.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 18 EXISTING STRUCTURE TO REMAIN. CONTRACTOR TO REMOVE, PROTECT, AND REPLACE STRUCTURE AS REQUIRED FOR INSTALLATION OF SANITARY SEWER IMPROVEMENTS.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 27 REPLACE EXISTING CATCH BASIN PER DETAIL 300 O SHEET D01.



Printed Dec 05, 2019 - 7:45pm keith L:\Project\16001\16001\16001\CADD\CADD\DWG\16001_C11.dwg Layout Name: C11



GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04

KEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE
- INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE. PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL
- SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02
- REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET D03, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS
- EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION
- INSTALL NEW SEWER MANHOLE OVER EXISTING SEWERLINE PER COT STD DWG 010, SHEET D01
- INSTALL NEW DROP MANHOLE OVER EXISTING SEWER LINE PER COT STD DWG 090, SHEET D01
- ABANDON EXISTING SEWER LINE IN PLACE. DRAIN PIPE AND PLUG AIRTIGHT AT EACH MANHOLE



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CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

WALNUT LN. STA 154+00 - STA 151+00

TITLE

DATE DESCRIPTION

REVISIONS

NAV068

DATUM

TBK

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STATUS

DECEMBER 6, 2019

DATE

16001

PROJECT NUMBER

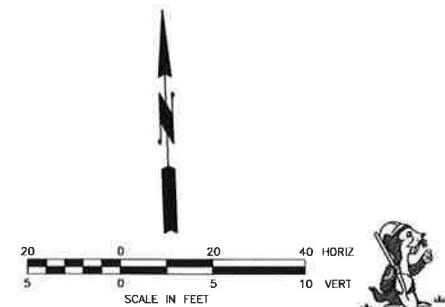
C11

SHEET 15 OF 36

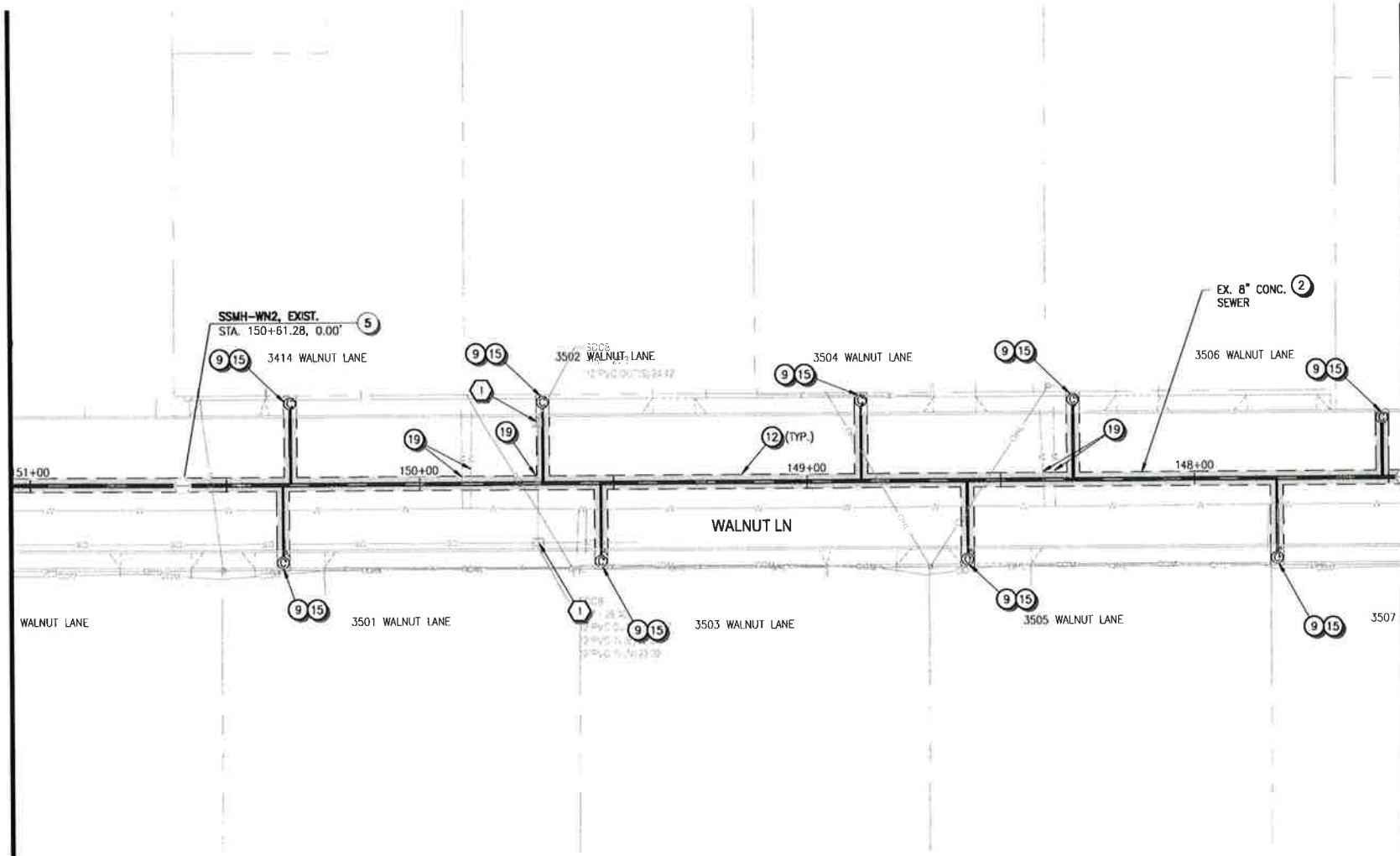
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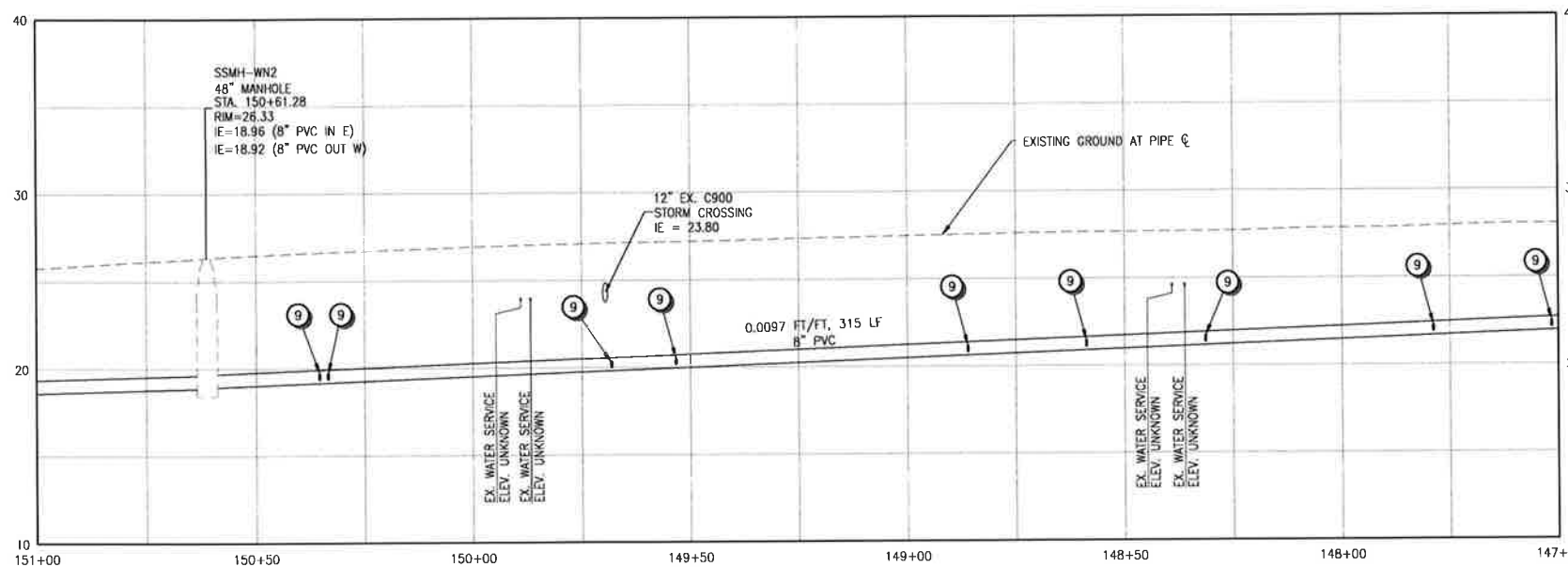
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PLAN



PROFILE

GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04

KEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET D03, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS.
- EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.



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SANITARY SEWER PLAN AND PROFILE
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

WALNUT LN. STA 151+00 - STA 147+50

TITLE
DATE DESCRIPTION

REVISIONS

NAVD88 DATUM

TBK KJB
DRAWN BY CHECKED BY

FINAL STATUS

DECEMBER 6, 2019

DATE

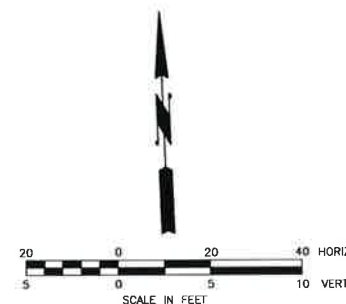
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SHEET 16 OF 36

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GENERAL NOTES

- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

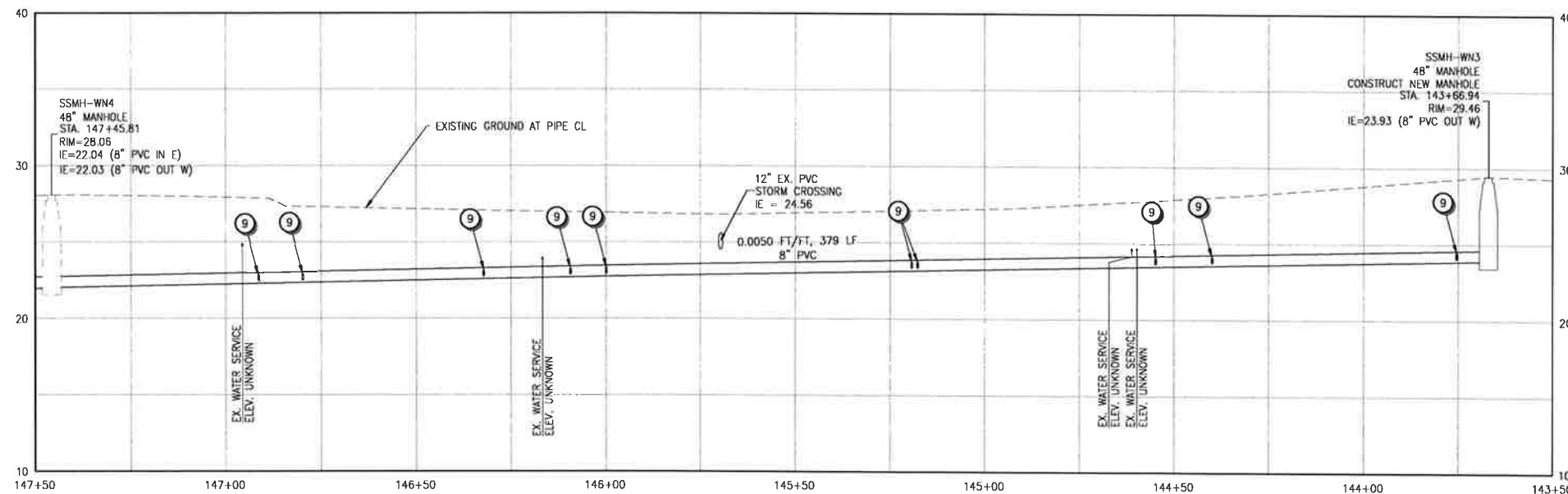
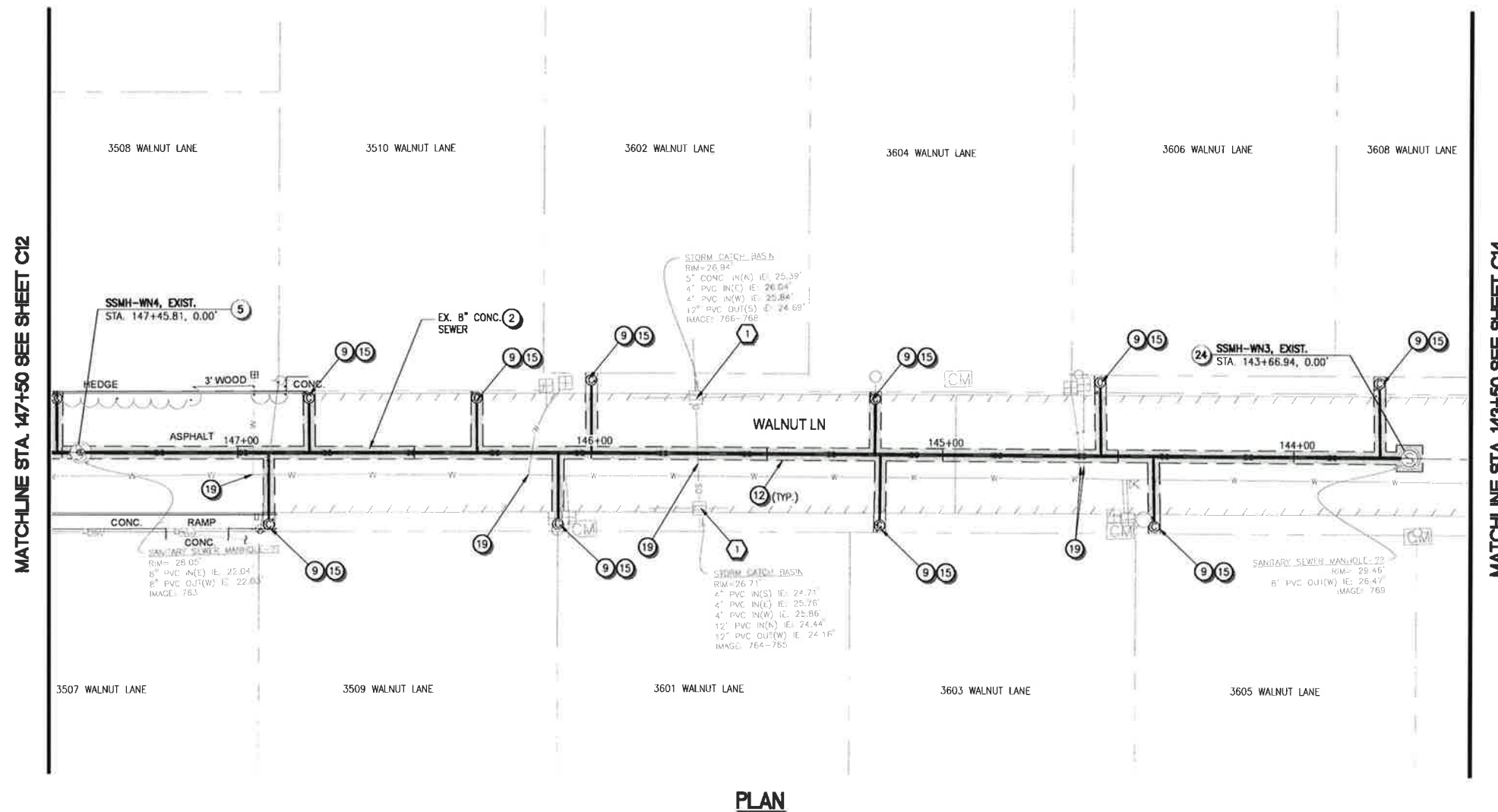
EROSION CONTROL

NOTES

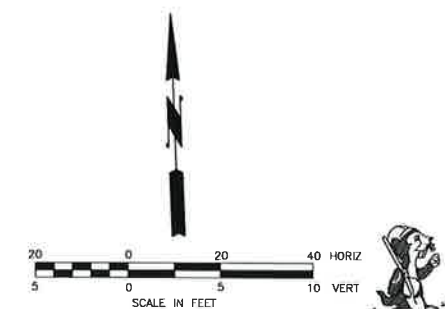
- 1 INLET PROTECTION PER STD DWG RD1015 ON SHEET D04

KEY NOTES

2. REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 500 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
5. CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
9. INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWG 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
12. SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
15. REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET D03, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS.
19. EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
24. REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01



PROFILE



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- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

INLET PROTECTION PER STD DWG RD1015 ON
SHEET D04

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT. VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE. PER COT STD DWG 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-S1 ON SHEET D03, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01.

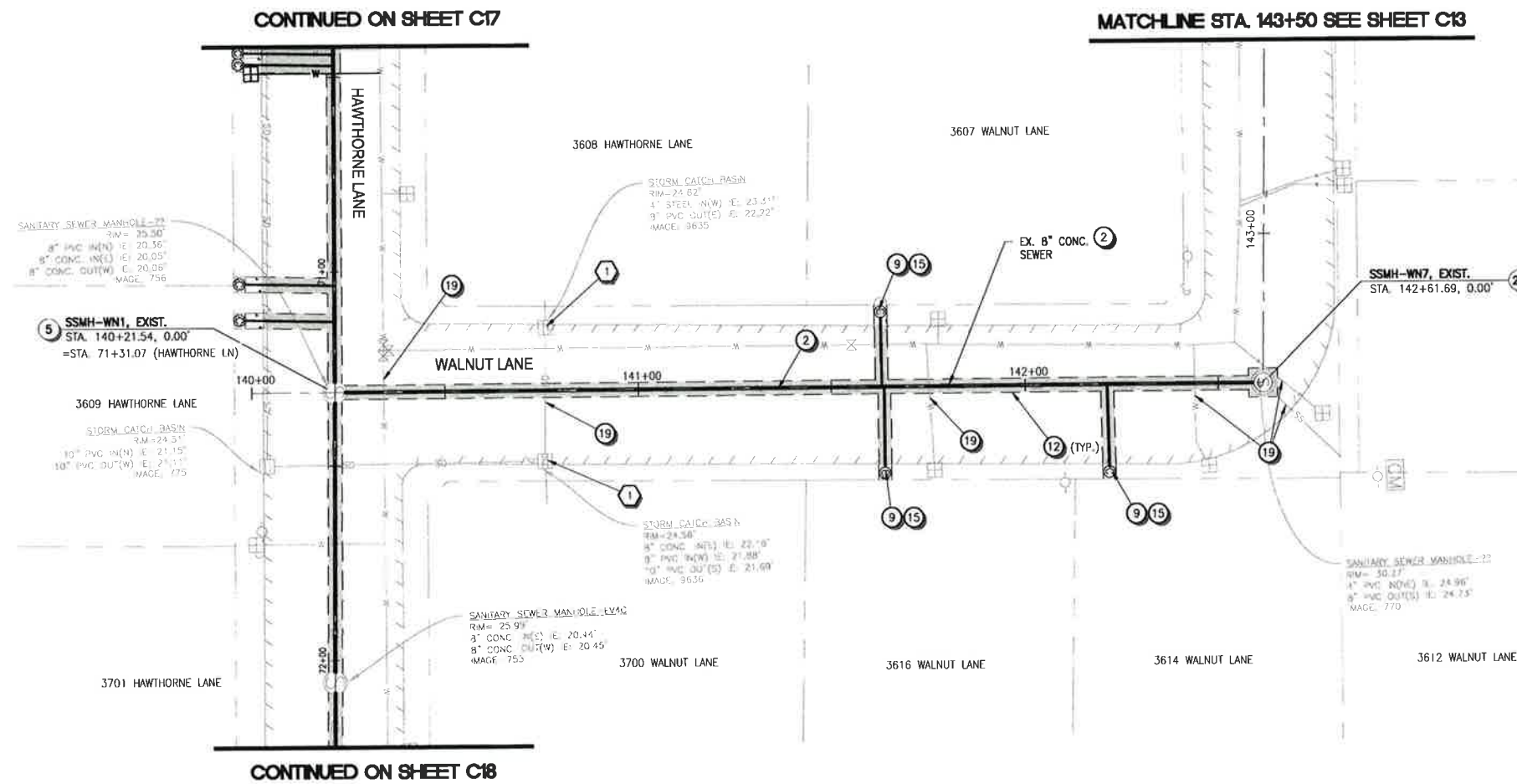
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SANITARY SEWER PLAN AND PROFILE
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

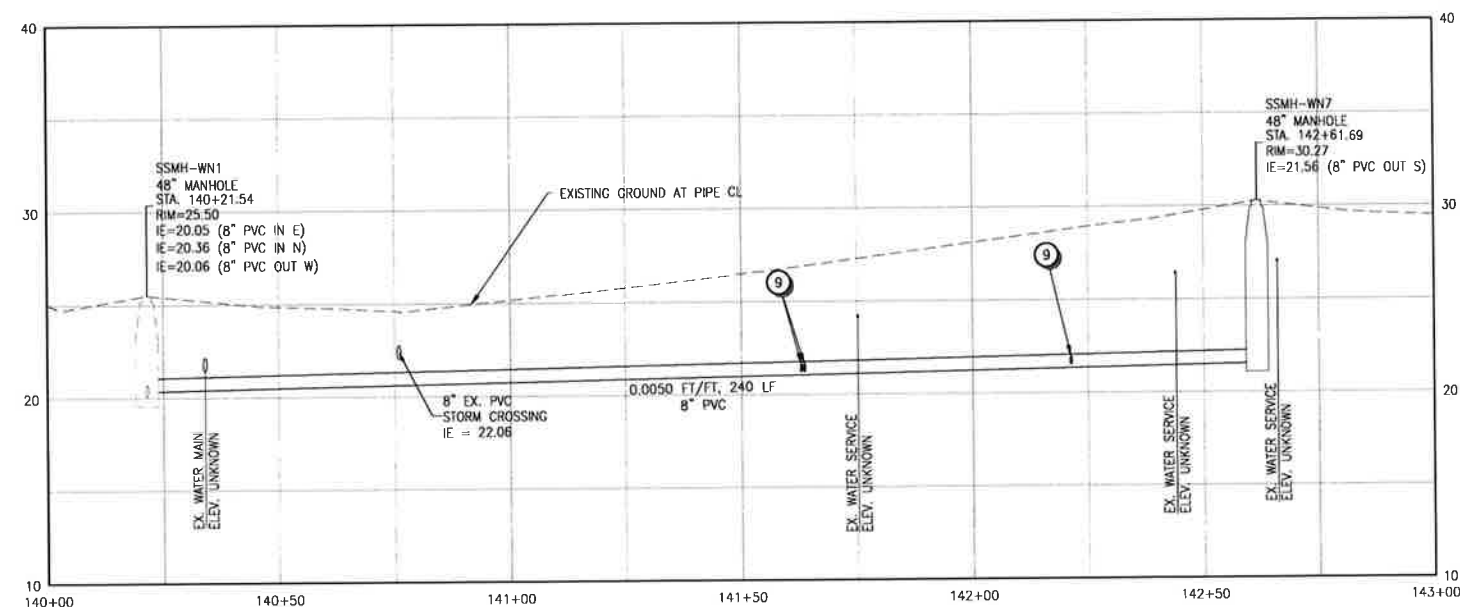
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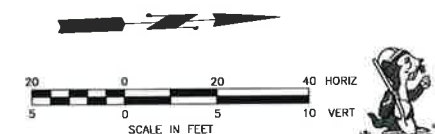
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- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

1 INLET PROTECTION PER STD DWG RD1015 ON
SHEET D04

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION. METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET D02.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET D03, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 20 INSTALL BACKWATER VALVE UPSTREAM OF SANITARY SEWER CLEANOUT.
- 26 RELOCATE EXISTING COMMUNICATION BOX. COORDINATE WITH UTILITY PROVIDER.
- 29 INSTALL NEW SEWER MANHOLE OVER EXISTING SEWERLINE PER COT STD DWG 010, SHEET D01
- 30 INSTALL NEW DROP MANHOLE OVER EXISTING SEWER LINE PER COT STD DWG 090, SHEET D01
- 31 INSTALL 4" PVC PIPE FROM NEW MANHOLE TO RIGHT-OF-WAY LINE, PER COT STD DWG 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500, SHEET D02 AND CONNECT TO EXISTING LATERAL.
- 32 ABANDON EXISTING SEWER LINE IN PLACE. DRAIN PIPE AND PLUG AIRTIGHT AT EACH MANHOLE.
- 33 REMOVE 8" CONCRETE SEWER PIPE FROM STORM DRAIN MANHOLE. PLUG AIRTIGHT AT KNOCKOUTS IN MANHOLE.

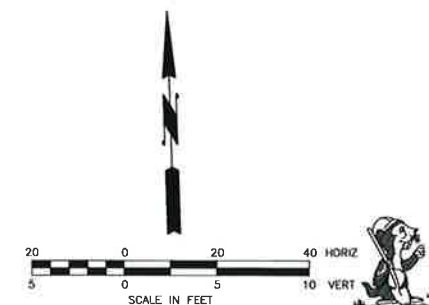
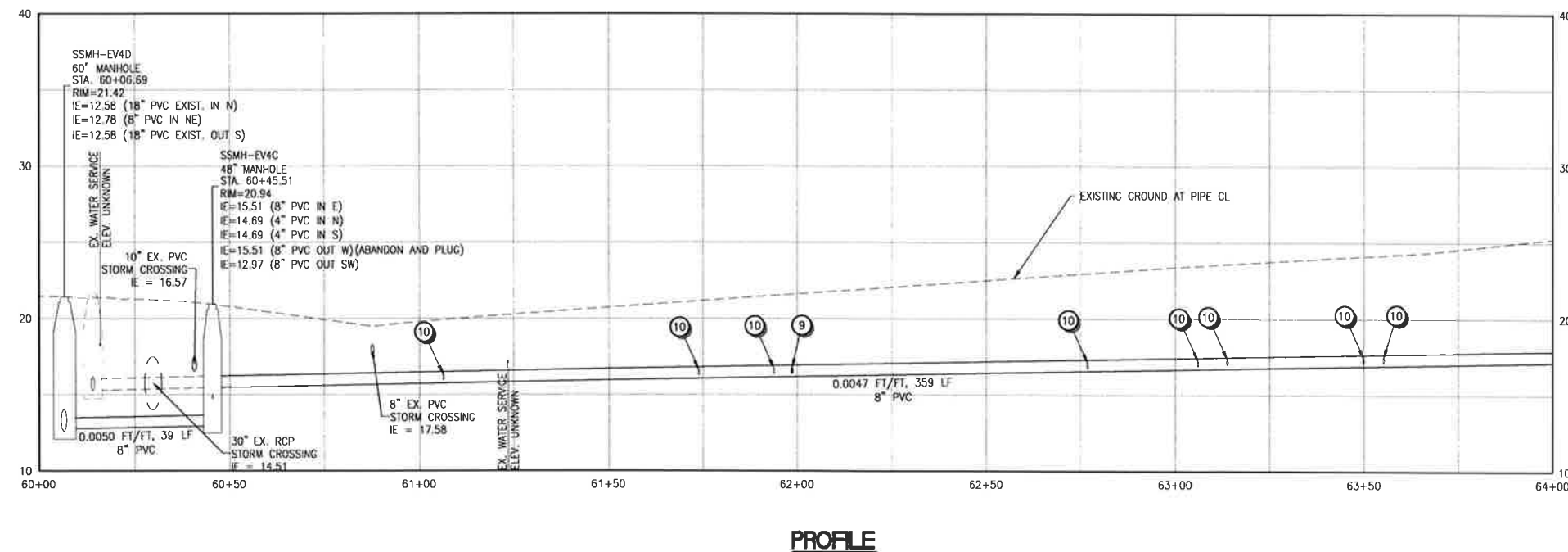
SANITARY SEWER PLAN AND PROFILE
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

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GENERAL NOTES

- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

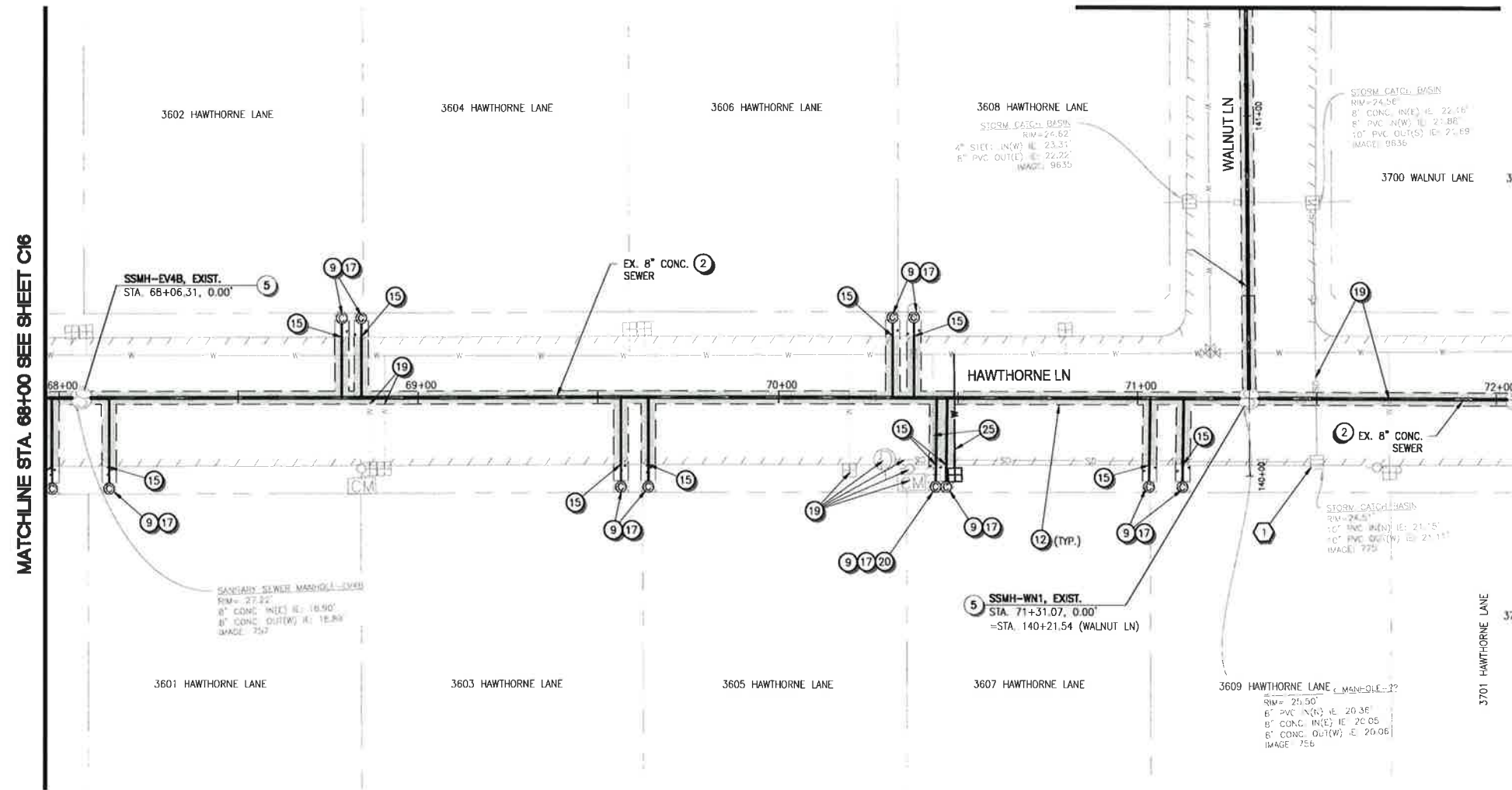
EROSION CONTROL NOTES

- 1 INLET PROTECTION PER STD DWG RD1015 ON
SHEET D04

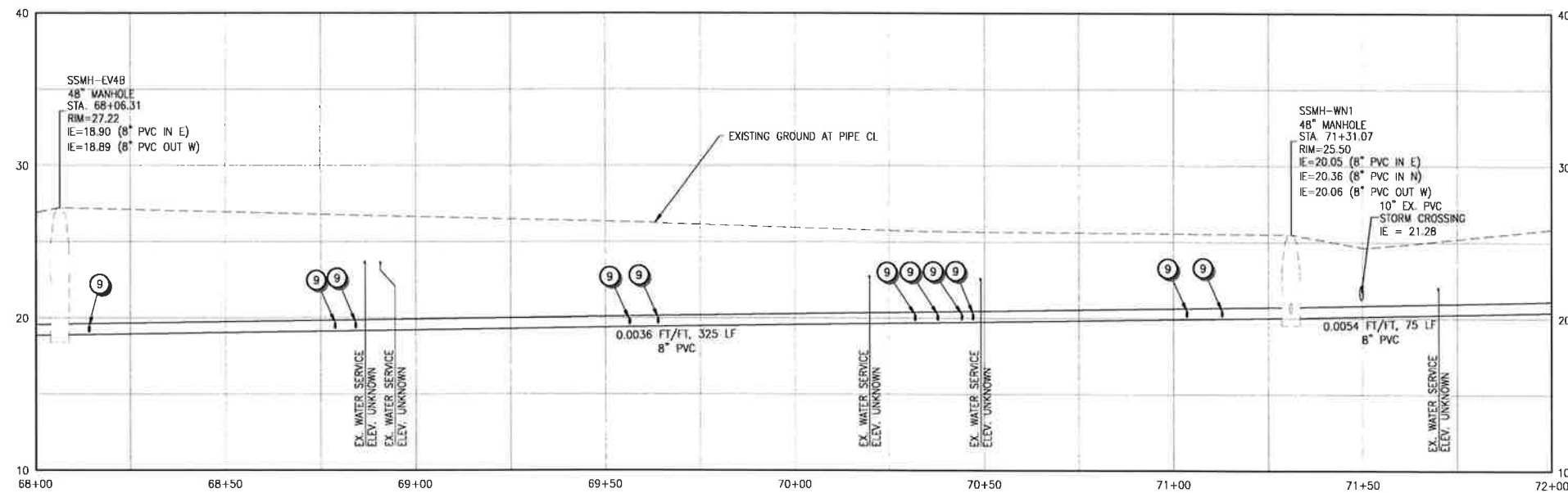
KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET 002. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 5 CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT. VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEAL EXIST MANHOLE BASE AS NECESSARY.
- 9 INSTALL TIE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET 002. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET 002 AND CONNECT TO EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET 002.
- 15 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-S3 ON SHEET 003, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS.
- 17 REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-S3 ON SHEET 003, LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 20 INSTALL BACKWATER VALVE UPSTREAM OF SANITARY SEWER CLEANOUT.
- 25 RELOCATE WATER LATERAL AND SERVICE METER PER COT STD DWG 007-WA.

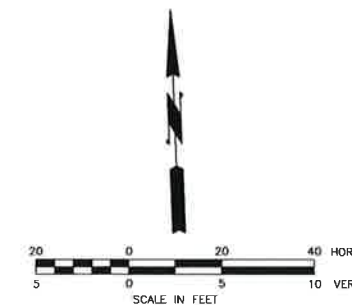
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PLAN



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SHEET 21 OF 36
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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL.
- LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS.

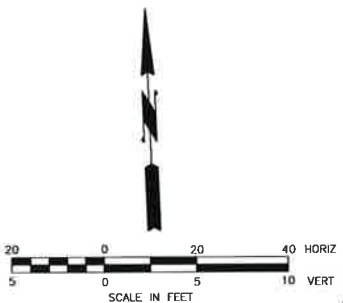
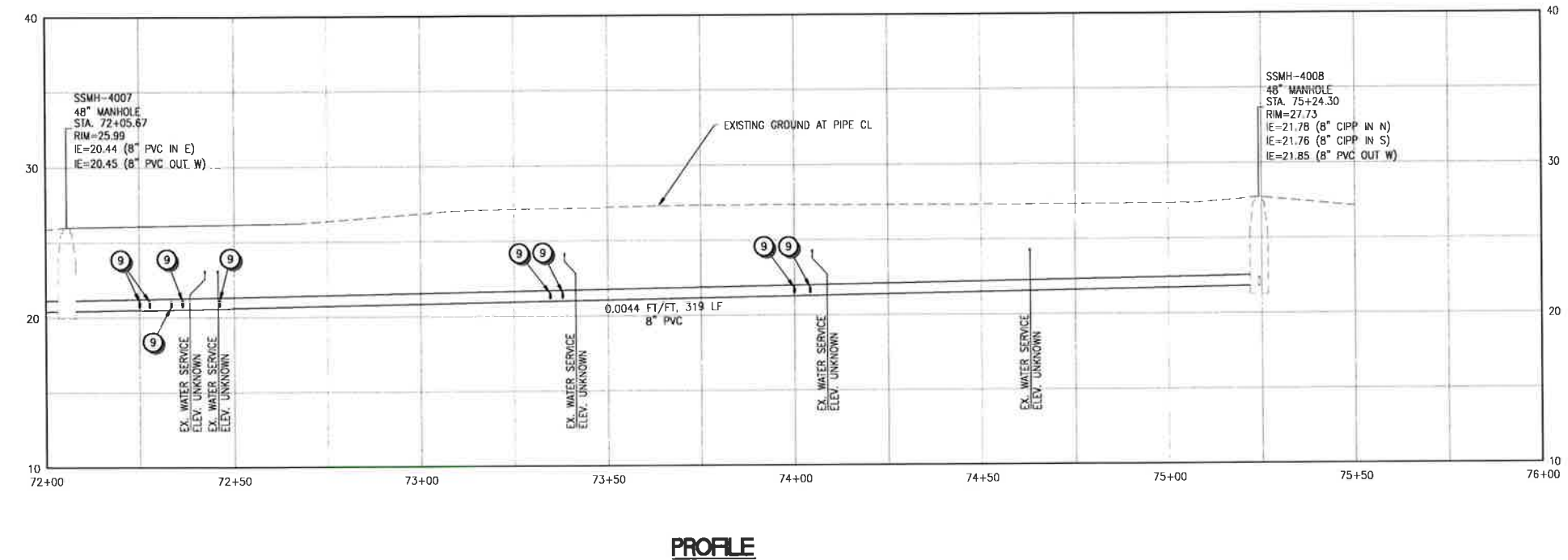
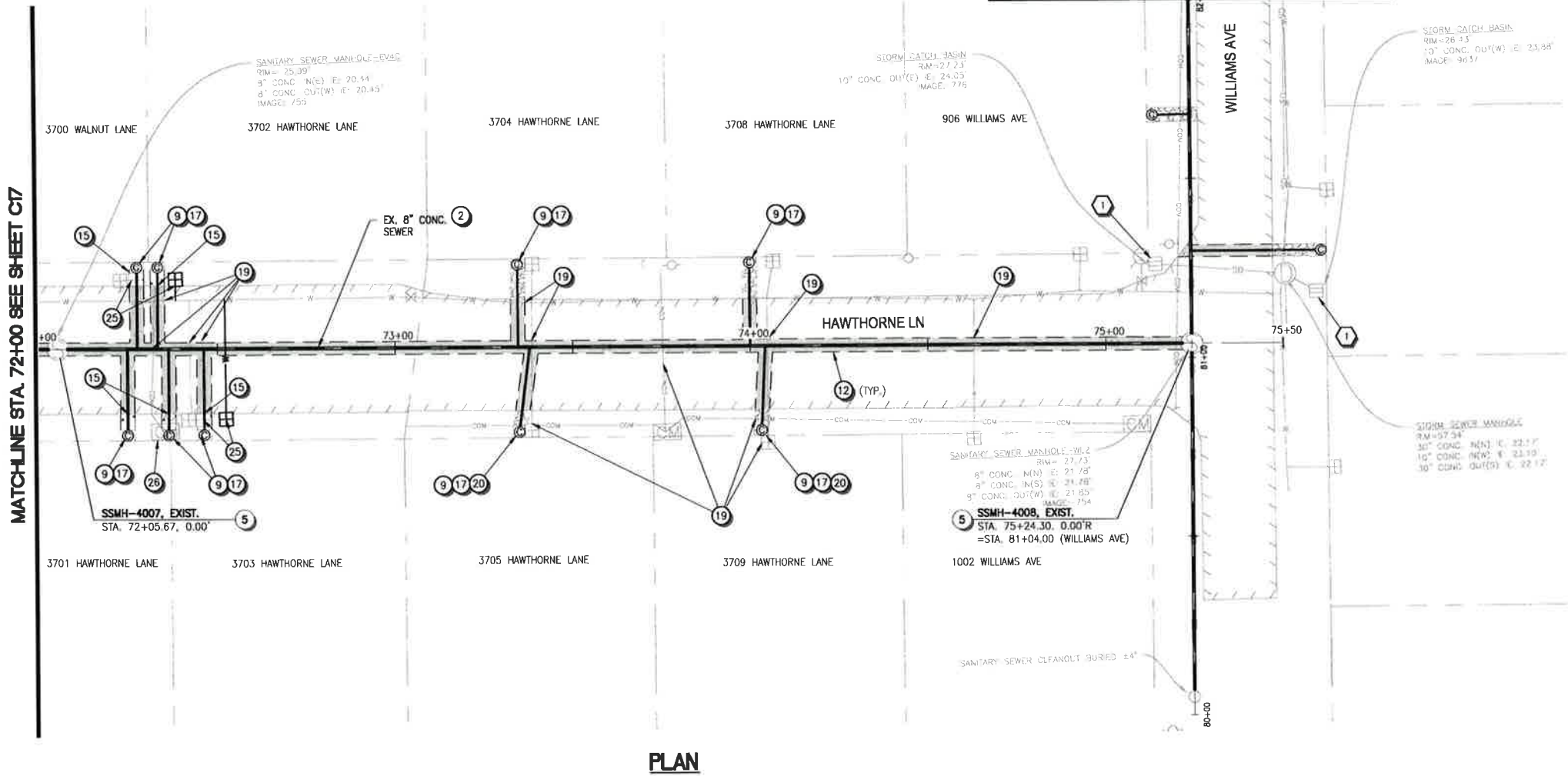
EROSION CONTROL NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04.

KEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- REMOVE AND REPLACE EXISTING CURB AND SIDEWALK PER COT STD DWG 2110-ST ON SHEET D03. LIMITS PER PLAN. REPLACE SIDEWALK IN COMPLETE PANELS.
- RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- INSTALL BACKWATER VALVE UPSTREAM OF SANITARY SEWER CLEANOUT.
- RELOCATE WATER LATERAL AND SERVICE METER PER COT STD DWG 007-WA.
- RELOCATE EXISTING COMMUNICATION BOX. COORDINATE WITH UTILITY PROVIDER.

CONTINUED ON SHEET C19



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SANITARY SEWER PLAN AND PROFILE
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

WILLIAMS AVE. STA 80+00 - STA 83+00

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- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

1 INLET PROTECTION PER STD DWG RD1015 ON
SHEET D04

5. CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
7. REHABILITATE EXIST PIPE BY CIPP.
9. INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE. PER COT STD DWGS 520 AND 500 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
12. SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
14. AFTER MAINLINE CIPP WORK IS ACCEPTED, RECONNECT SERVICE LINE AND INSTALL CURED-IN-PLACE LATERAL LINER ASSEMBLY LINER ASSEMBLY SHALL EXTEND 3FT MIN. INTO LATERAL. EXISTING LATERAL SIZE AND MATERIAL TYPE SHALL BE VERIFIED BY VIDEO INSPECTION PRIOR TO CIPP WORK.
17. RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 580 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
19. EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.



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SANITARY SEWER PLAN AND PROFILE
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

WILLIAMS AVE. S1A 83+00 - S1A 88+00

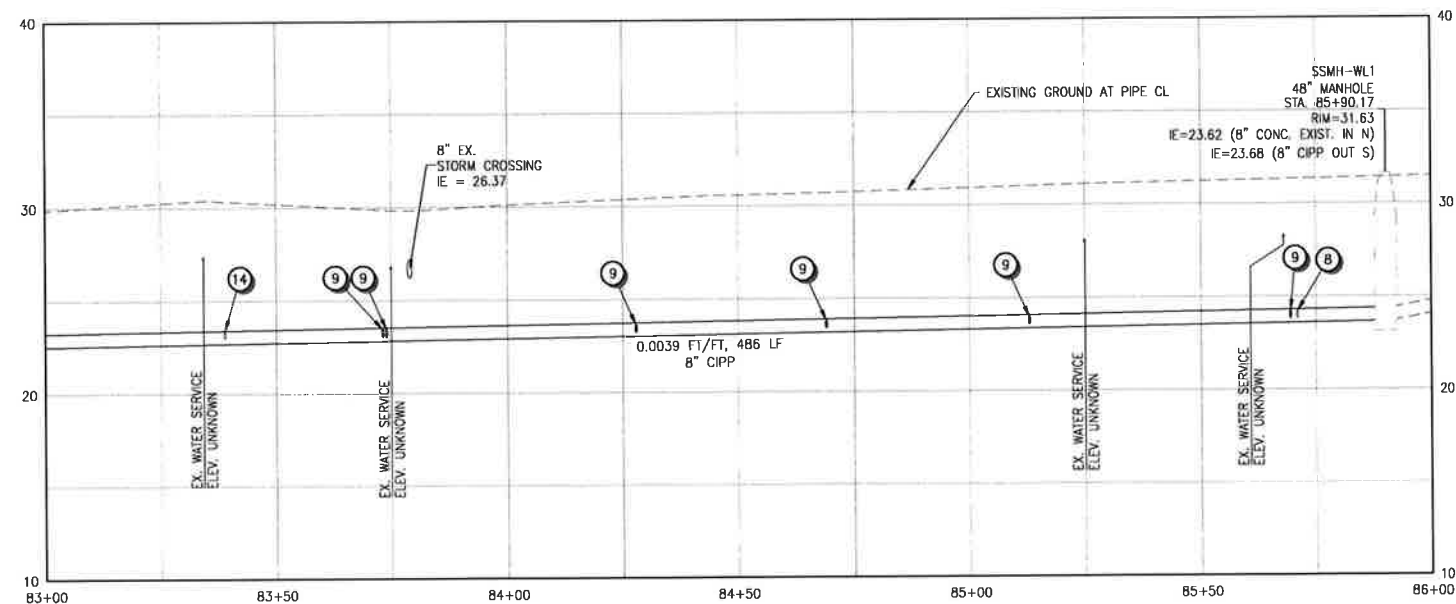
- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

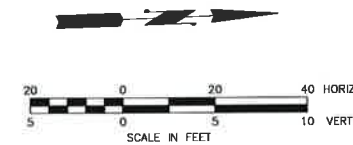
- 1 INLET PROTECTION PER STD DWG RD1015 ON
SHEET D04

KEY NOTES

- 7 REHABILITATE EXIST PIPE BY CIPP.
- 8 EXISTING LATERAL IS CAPPED AND SHALL NOT BE
RECONNECTED TO REHABILITATED SEWER MAIN.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND
REPLACE WITH 4" PVC PIPE FROM REHABILITATED
SEWER MAIN TO RIGHT-OF-WAY LINE. PER COT STD
DWGS 520 AND 590 ON SHEET D02, INSTALL
SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE.
PER DETAIL 500 ON SHEET D02 AND CONNECT TO
EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING
AND RESTORATION. RESURFACE PER COT STD DWG
600 ON SHEET D02.
- 14 AFTER MAINLINE CIPP WORK IS ACCEPTED,
RECONNECT SERVICE LINE AND INSTALL
CURED-IN-PLACE LATERAL LINER ASSEMBLY. LINER
ASSEMBLY SHALL EXTEND 3FT MIN. INTO LATERAL.
EXISTING LATERAL SIZE AND MATERIAL TYPE SHALL BE
VERIFIED BY VIDEO INSPECTION PRIOR TO CIPP WORK.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR
HARDSCAPE FEATURES TO MATCH EXISTING
CONDITIONS. SEE COT STD DWG 590 ON SHEET D02
FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE
OF THE RIGHT-OF-WAY.
- 18 EXISTING STRUCTURE TO REMAIN. CONTRACTOR TO
REMOVE, PROTECT, AND REPLACE STRUCTURE AS
REQUIRED FOR INSTALLATION OF SANITARY SEWER
IMPROVEMENTS.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO
PROTECT AND SUPPORT DURING CONSTRUCTION.



PROFILE



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SANITARY SEWER PLAN AND PROFILE
CITY OF TILLAMOOK, TILLAMOOK COUNTY, OR

SPRUCE AVE. STA 120+00 - STA 125+00

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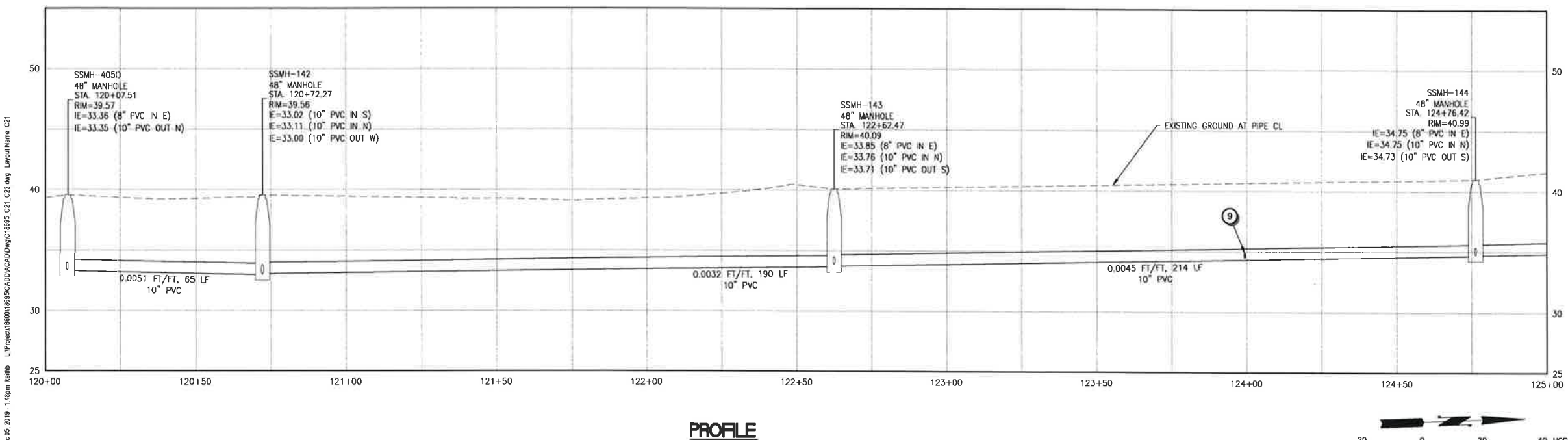
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1. SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL.
2. LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS.

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 9 INSTALL TE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARMFUL FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01.

MATCHLINE STA. 125+00 SEE SHEET C22

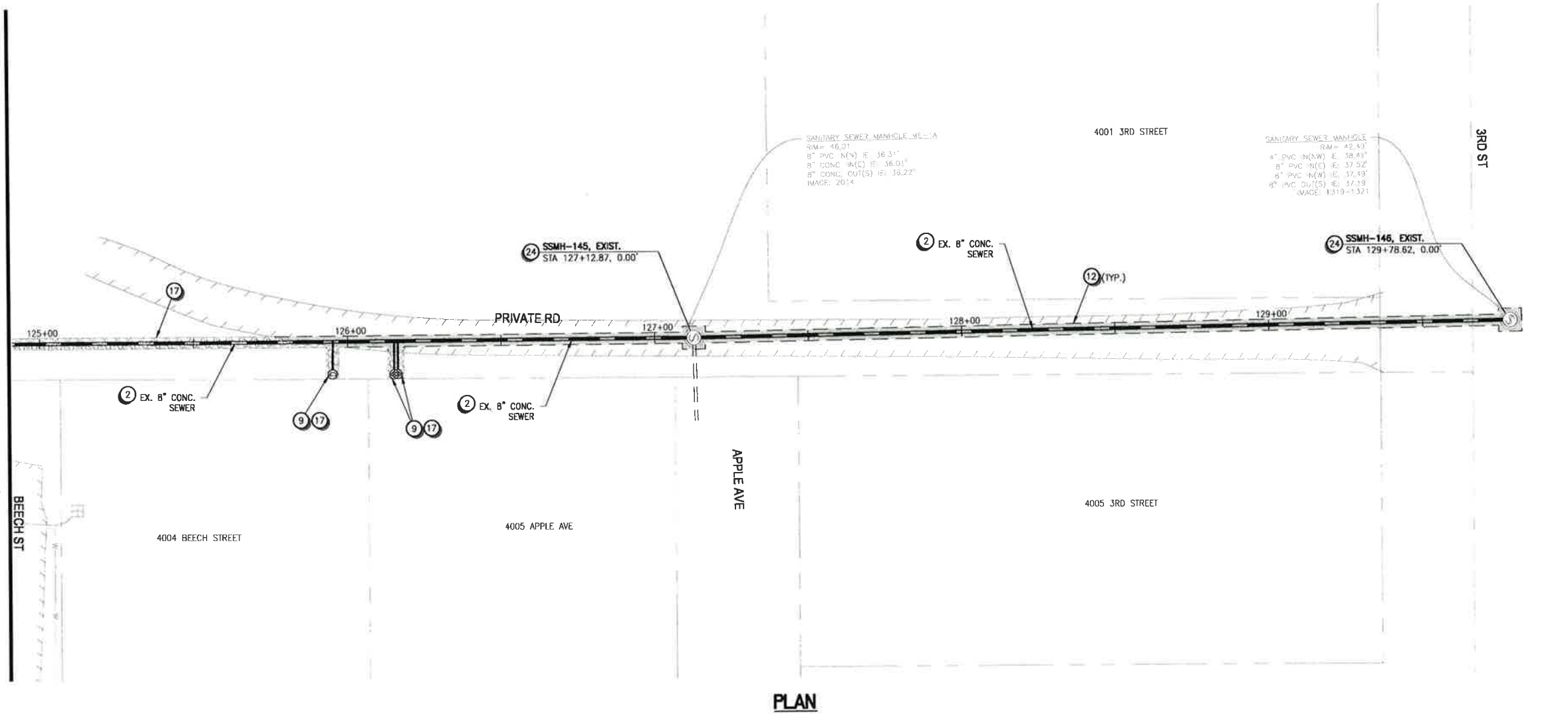


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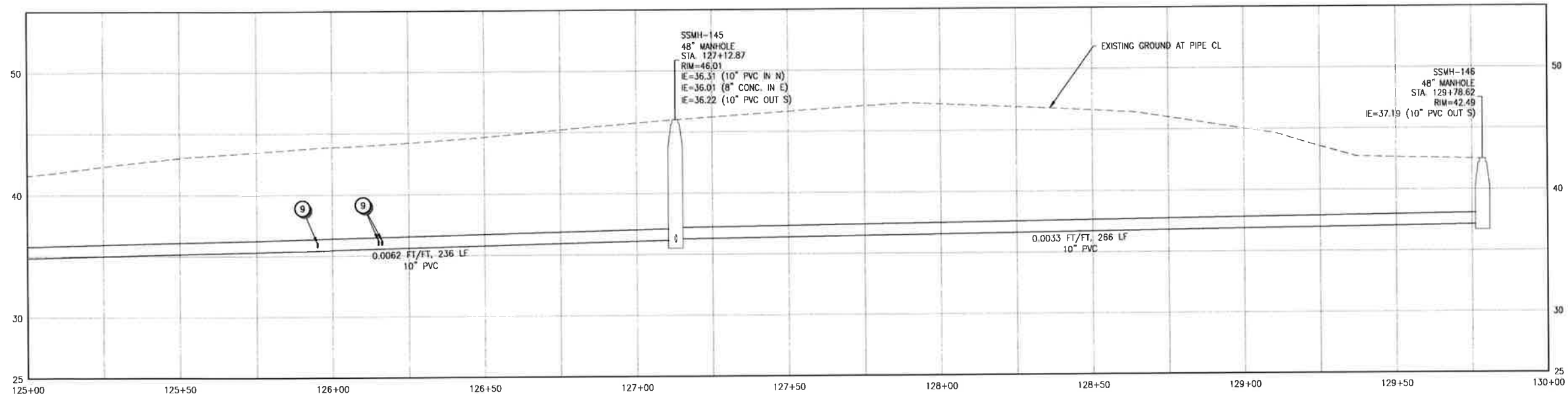
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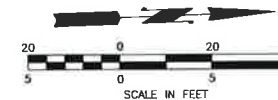
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GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL.
- LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS.

KEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01.



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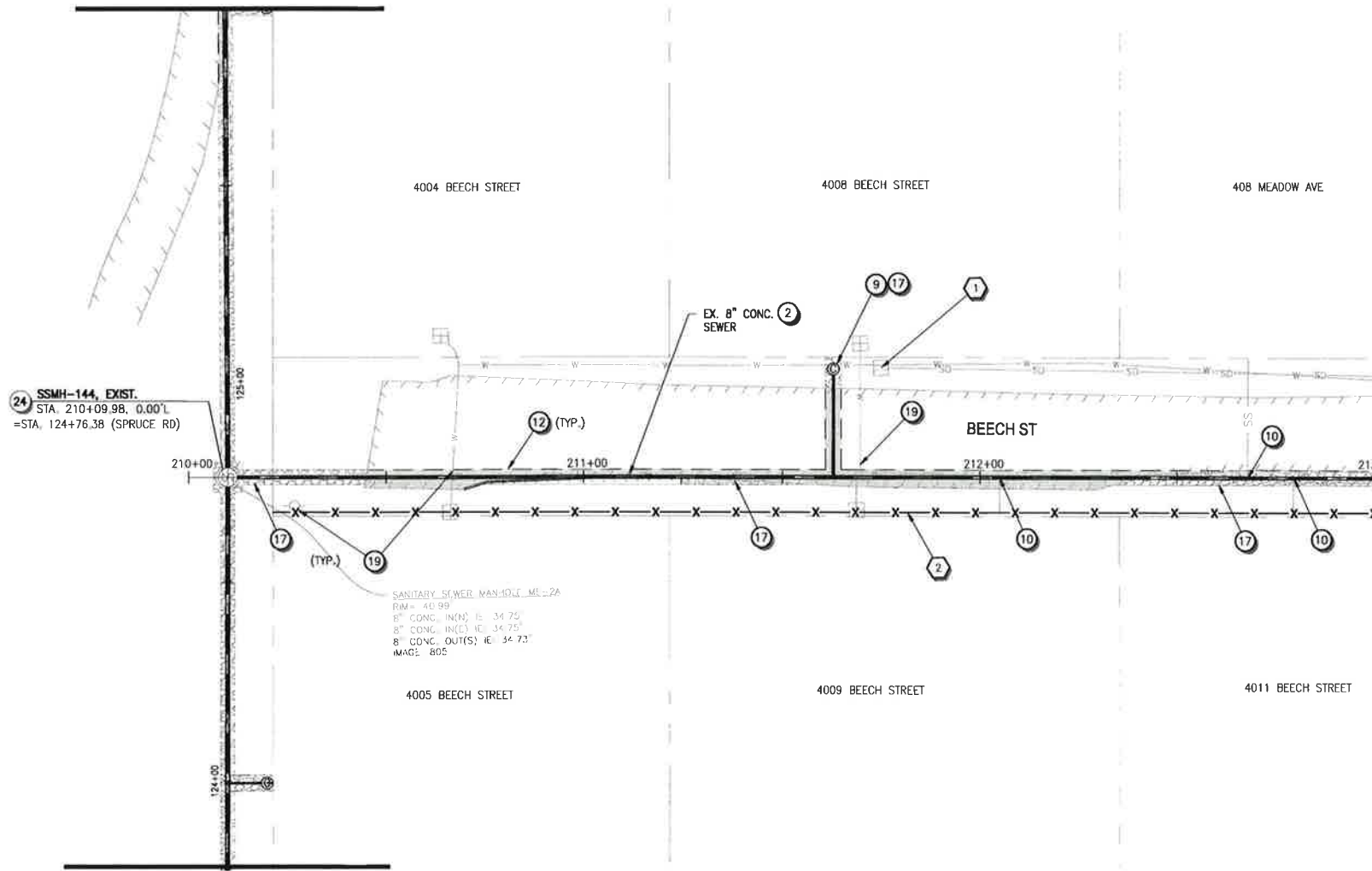
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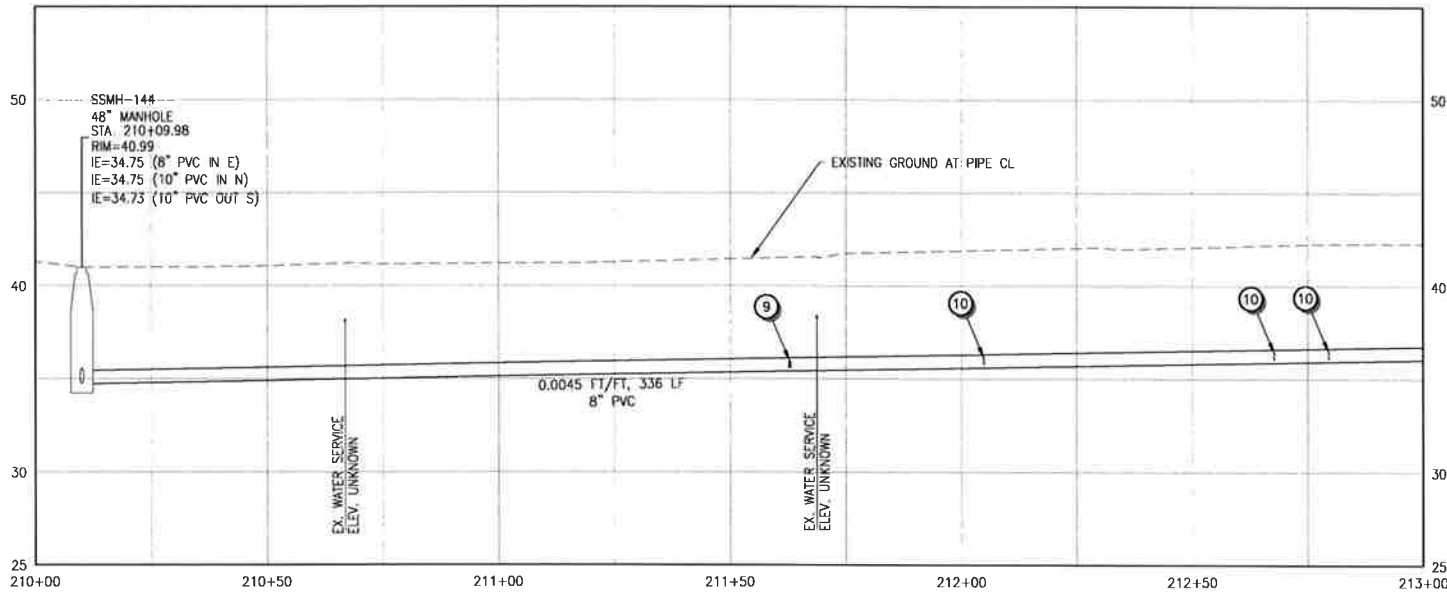
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CONTINUED ON SEE SHEET C22



CONTINUED ON SEE SHEET C21

PLAN



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GENERAL NOTES

- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

EROSION CONTROL NOTES

- 1 INLET PROTECTION PER STD DWG RD1015 ON SHEET D04
- 2 SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04. NO FENCE ACROSS DRIVEWAY APRONS.

KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET D02.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01.



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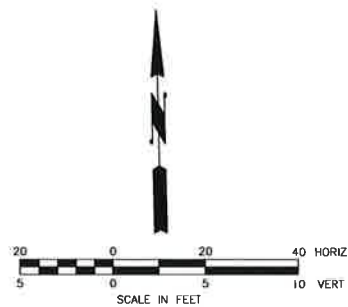
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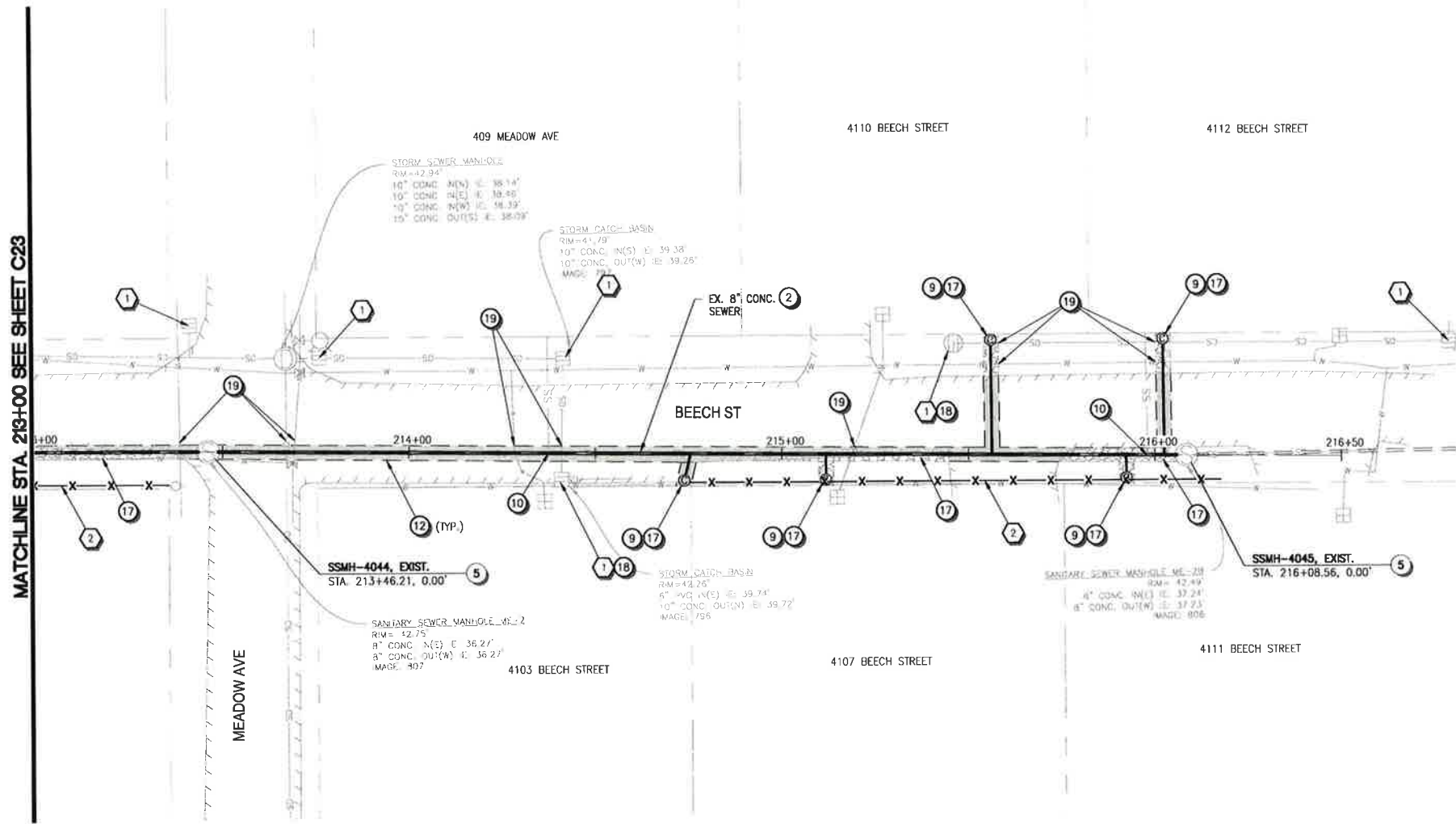
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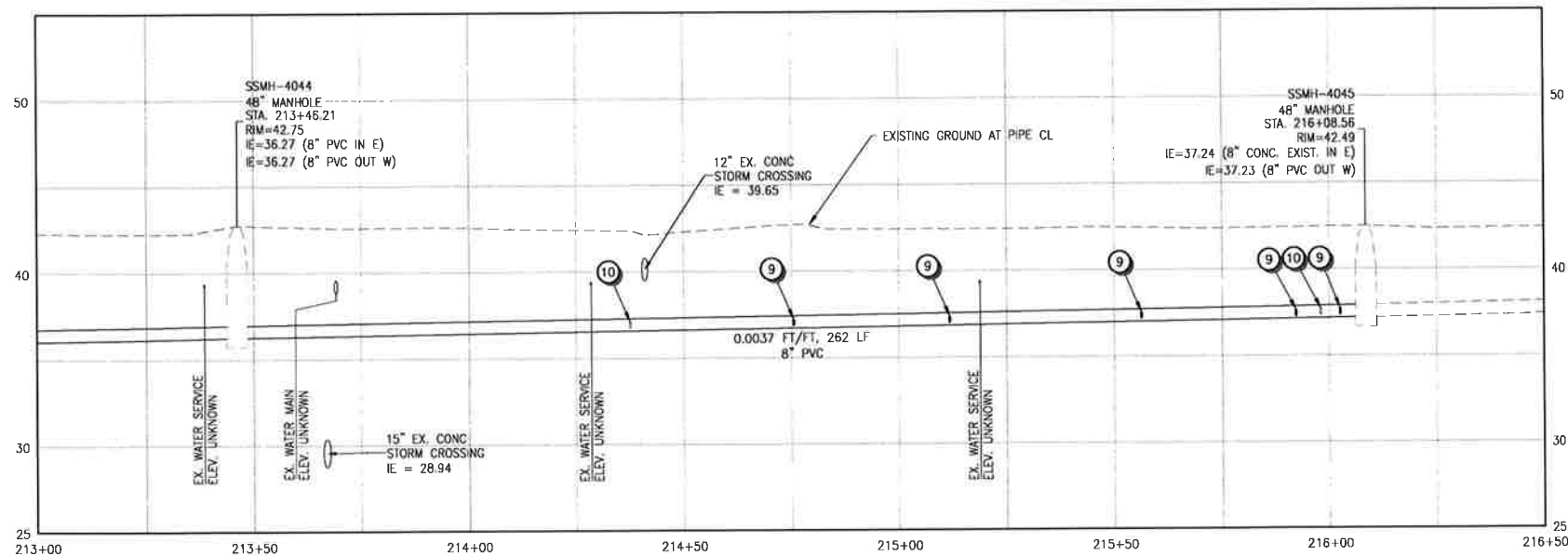
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PLAN



PROFILE

GENERAL NOTES

- SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL.
- LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS.

EROSION CONTROL NOTES

- INLET PROTECTION PER STD DWG RD1015 ON SHEET D04.
- SEDIMENT FENCE PER STD DWG RD1040 ON SHEET D04. NO FENCE ACROSS DRIVEWAY APRONS.

KEY NOTES

- REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- CONNECT PIPE TO EX. MANHOLE USING KOR-N-SEAL BOOT; VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION. CORE AND RECHANNEL EXIST MANHOLE BASE AS NECESSARY.
- INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET D02.
- SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- EXISTING STRUCTURE TO REMAIN. CONTRACTOR TO REMOVE, PROTECT, AND REPLACE STRUCTURE AS REQUIRED FOR INSTALLATION OF SANITARY SEWER IMPROVEMENTS.
- EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.



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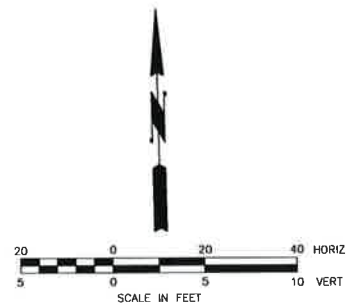
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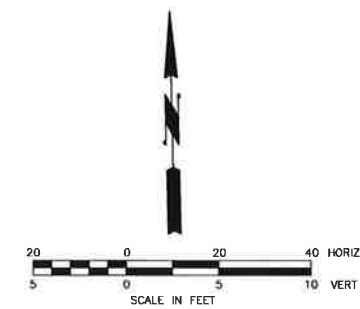


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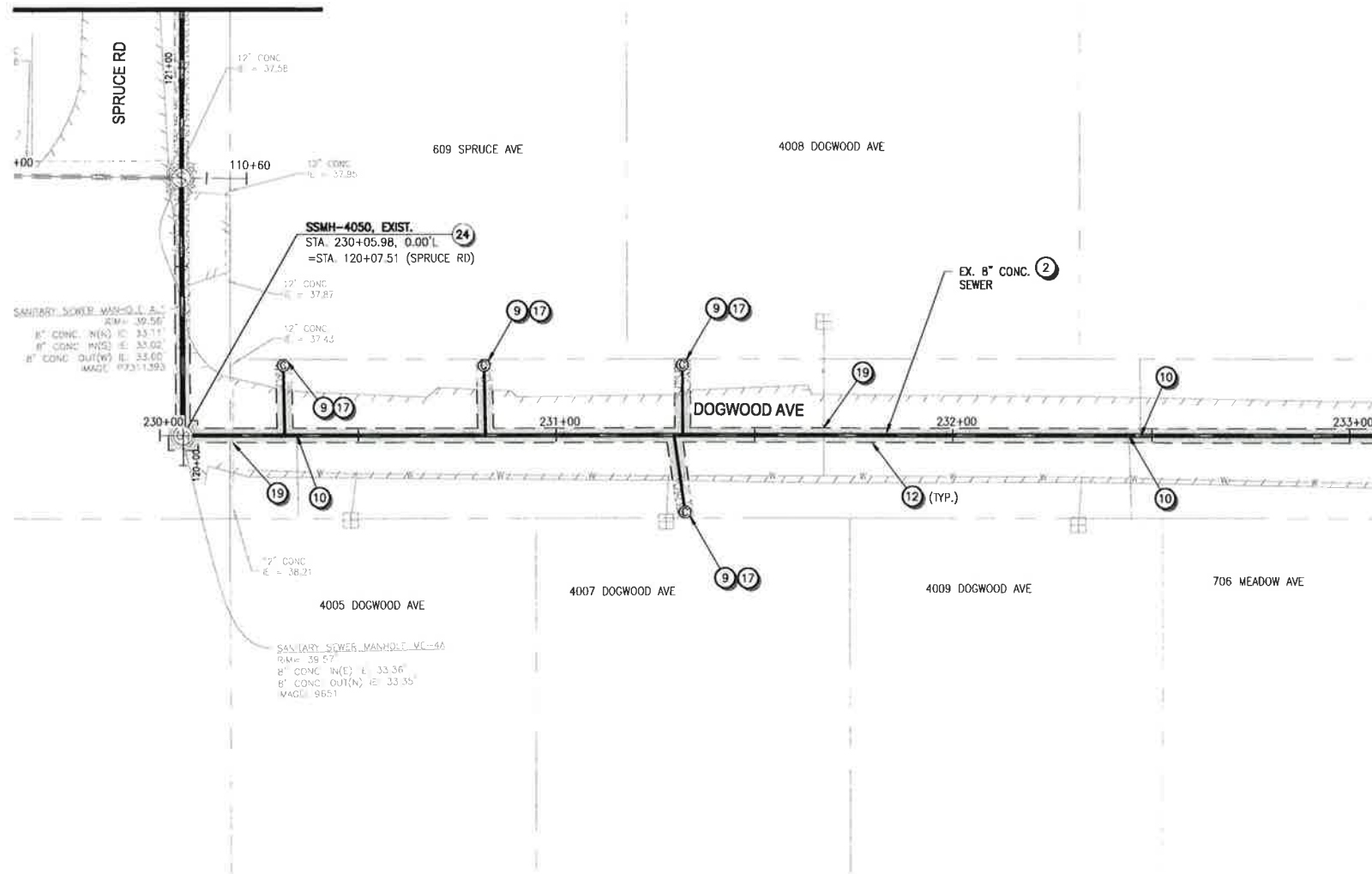
- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

2 SEDIMENT FENCE PER STD DWG RD1040 ON
SHEET D04. NO FENCE ACROSS DRIVEWAY
APRONS.

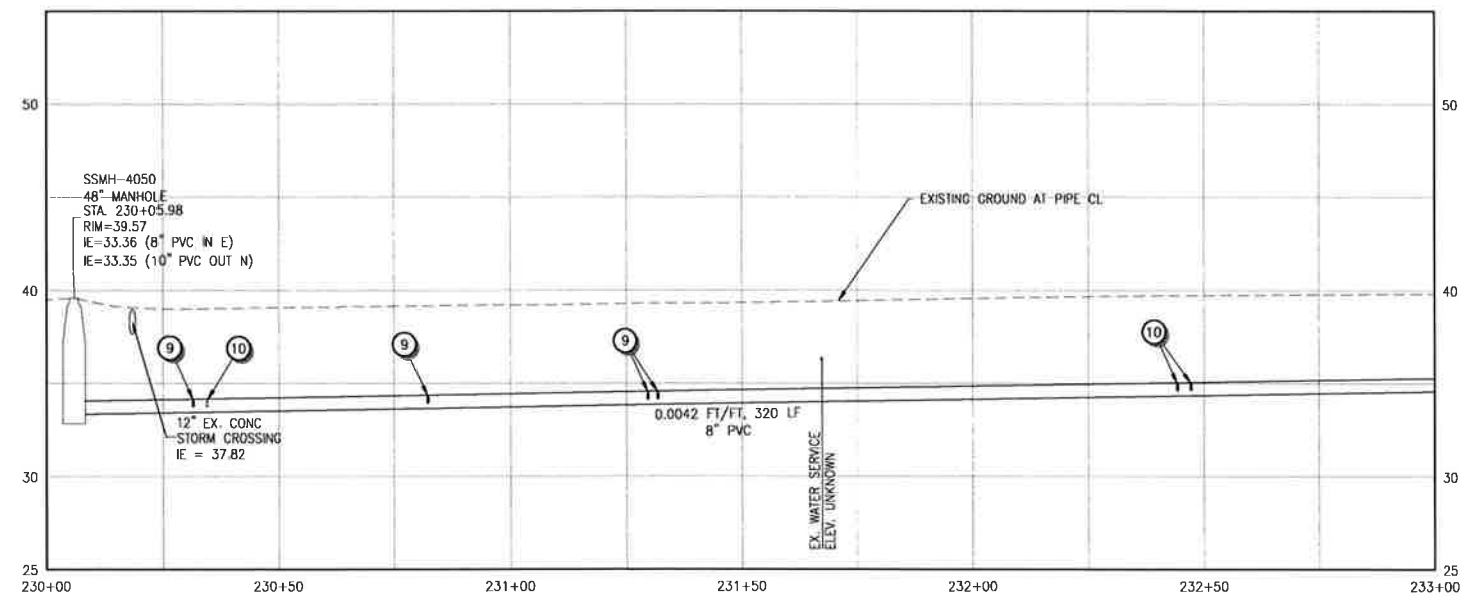
- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 580 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 580 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01.



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GENERAL NOTES

- 1 SEE SURVEY CONTROL PLANS ("SC" SHEETS) FOR DEFINITION OF CONSTRUCTION BASELINE STATIONING AND VERTICAL CONTROL
- 2 LOCATIONS OF LATERALS ARE APPROXIMATE AND ARE BASED ON MEASUREMENTS REPORTED IN TV INSPECTION VIDEOS

KEY NOTES

- 2 REMOVE EXISTING CONCRETE PIPE AND REPLACE WITH GRAVITY SEWER BY OPEN CUT CONSTRUCTION METHODS PER COT STD DWG 590 ON SHEET D02. SEE PROFILE FOR PROPOSED PIPE SIZE AND MATERIAL TYPE.
- 9 INSTALL TEE, REMOVE EXISTING LATERAL AND REPLACE WITH 4" PVC PIPE FROM REHABILITATED SEWER MAIN TO RIGHT-OF-WAY LINE, PER COT STD DWGS 520 AND 590 ON SHEET D02. INSTALL SANITARY SEWER CLEANOUT AT RIGHT-OF-WAY LINE PER DETAIL 500 ON SHEET D02 AND CONNECT TO EXIST LATERAL.
- 10 INSTALL TEE AND CONNECT EX. SEWER LATERAL TO REHABILITATED SEWER MAIN PER COT STD DWG 520 ON SHEET D02.
- 12 SAWCUT EXISTING ASPHALT PAVEMENT FOR TRENCHING AND RESTORATION. RESURFACE PER COT STD DWG 600 ON SHEET D02.
- 17 RESURFACE DISTURBED LANDSCAPE AND/OR HARDSCAPE FEATURES TO MATCH EXISTING CONDITIONS. SEE COT STD DWG 590 ON SHEET D02 FOR LANDSCAPE BACKFILL REQUIREMENTS OUTSIDE OF THE RIGHT-OF-WAY.
- 19 EXISTING UTILITY TO REMAIN. CONTRACTOR TO PROTECT AND SUPPORT DURING CONSTRUCTION.
- 24 REPLACE EXISTING MANHOLE WITH NEW SANITARY MANHOLE PER COT STD DWG 010 ON SHEET D01.



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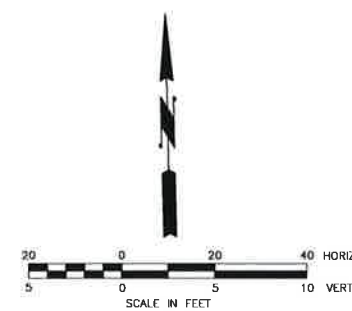
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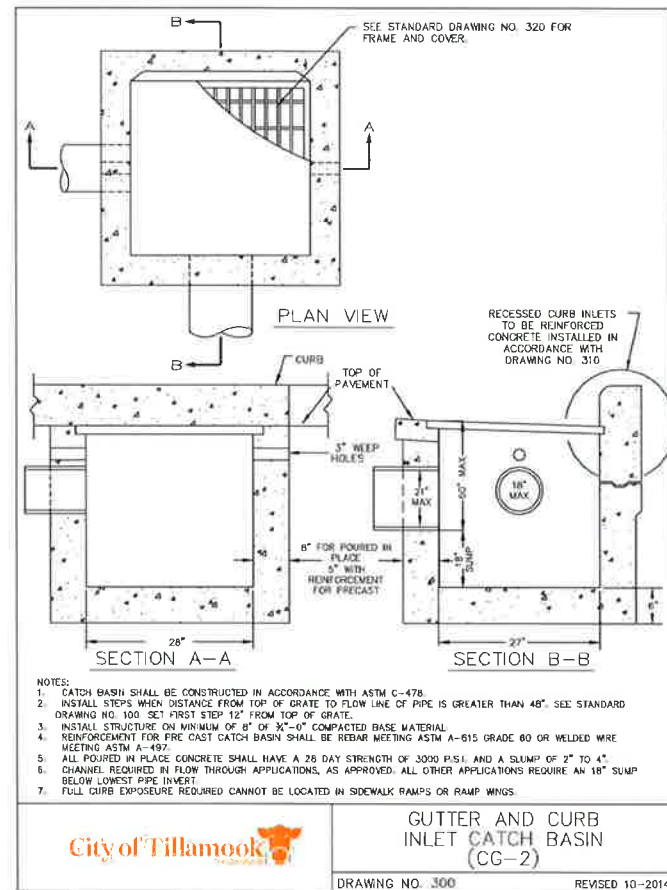
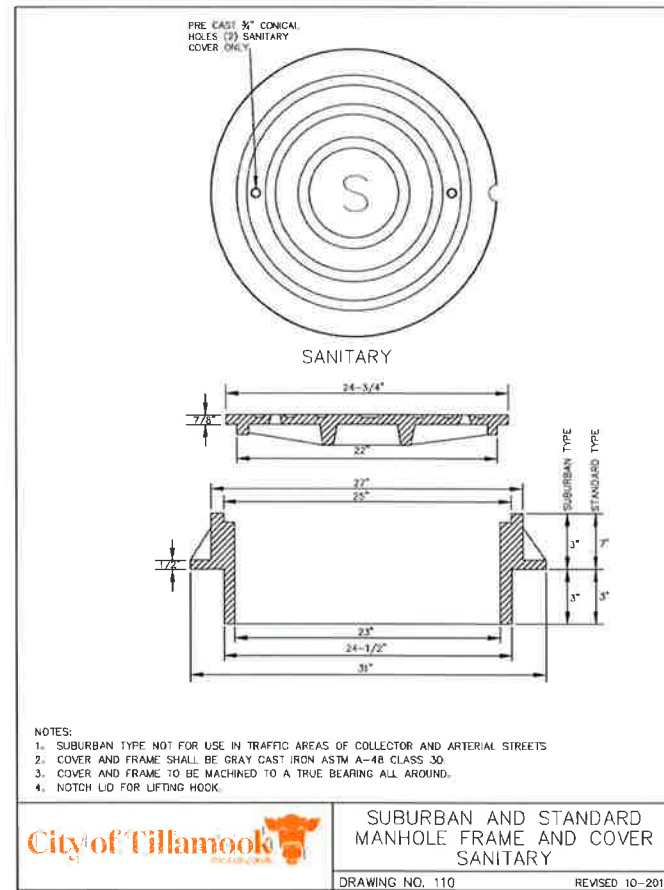
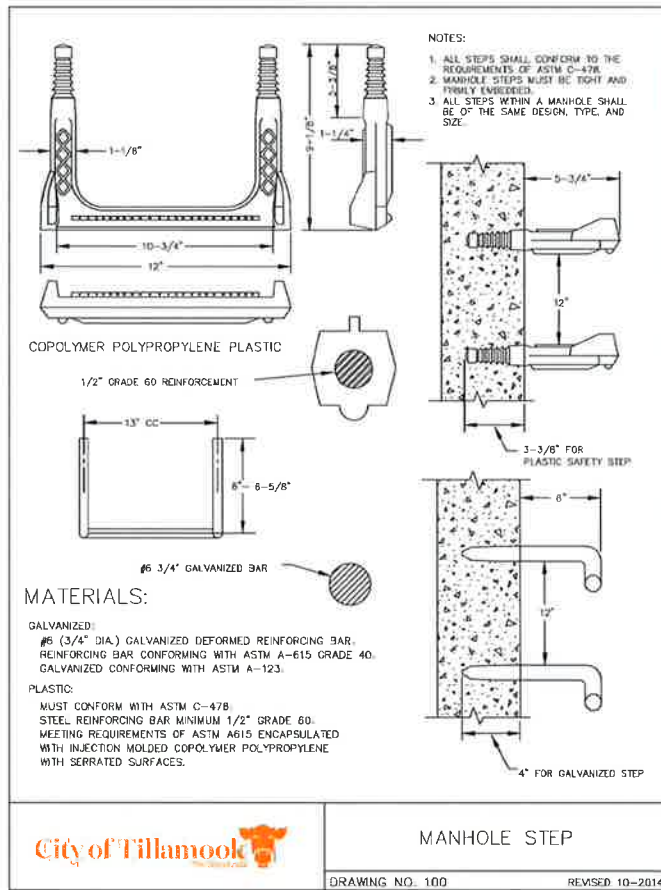
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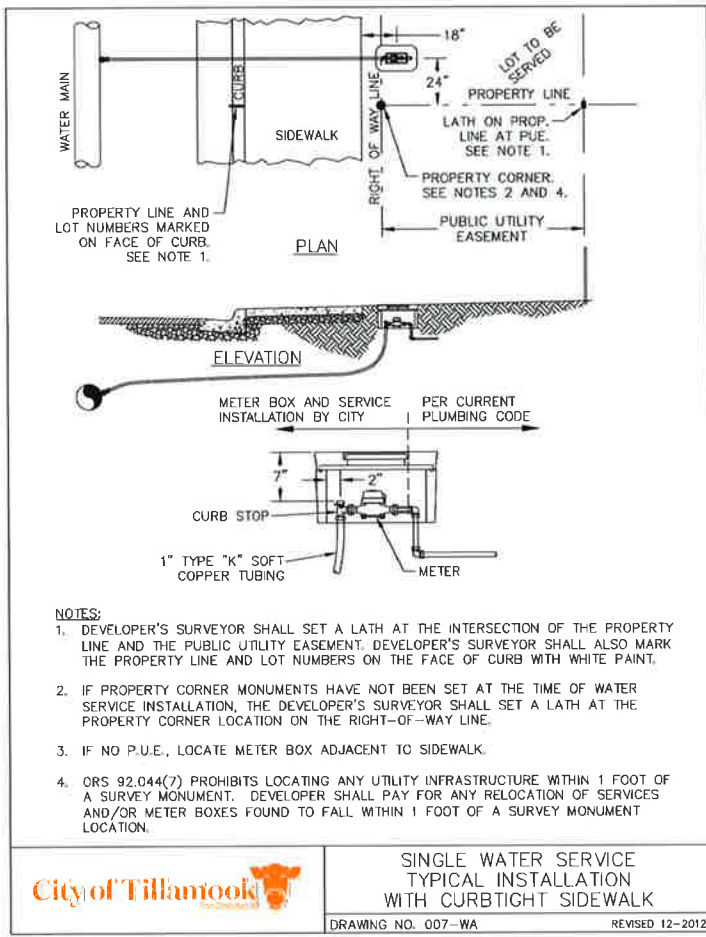
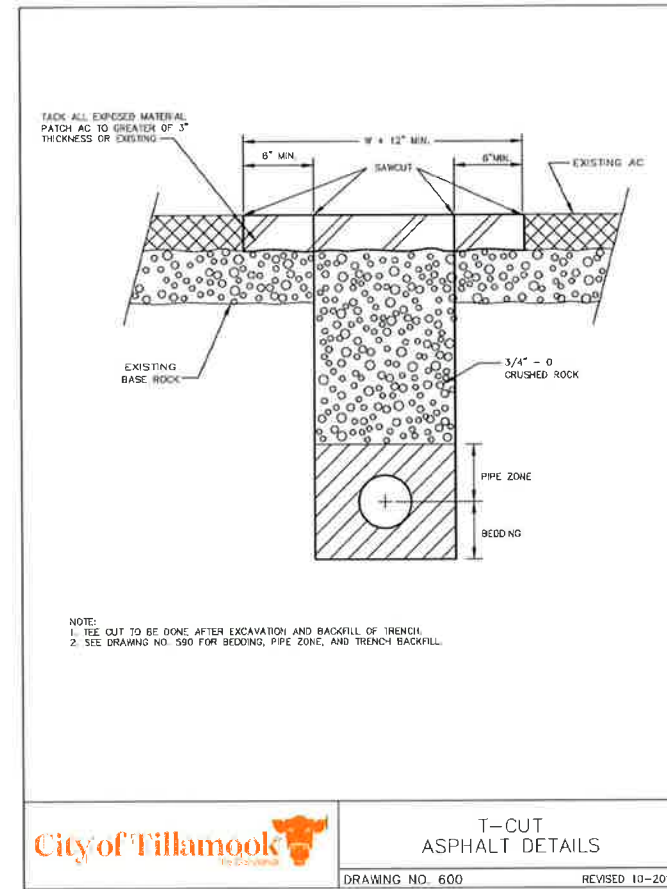
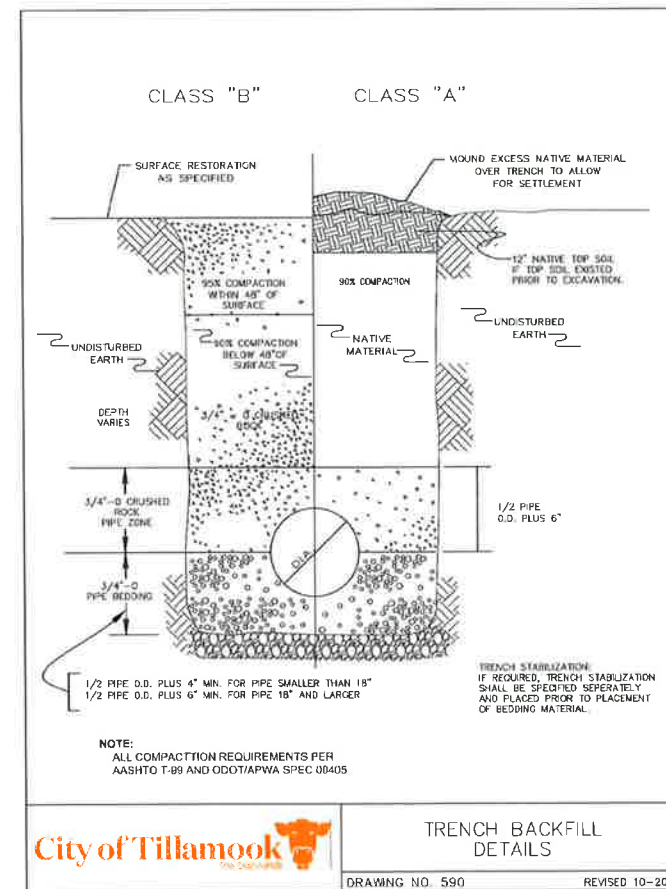
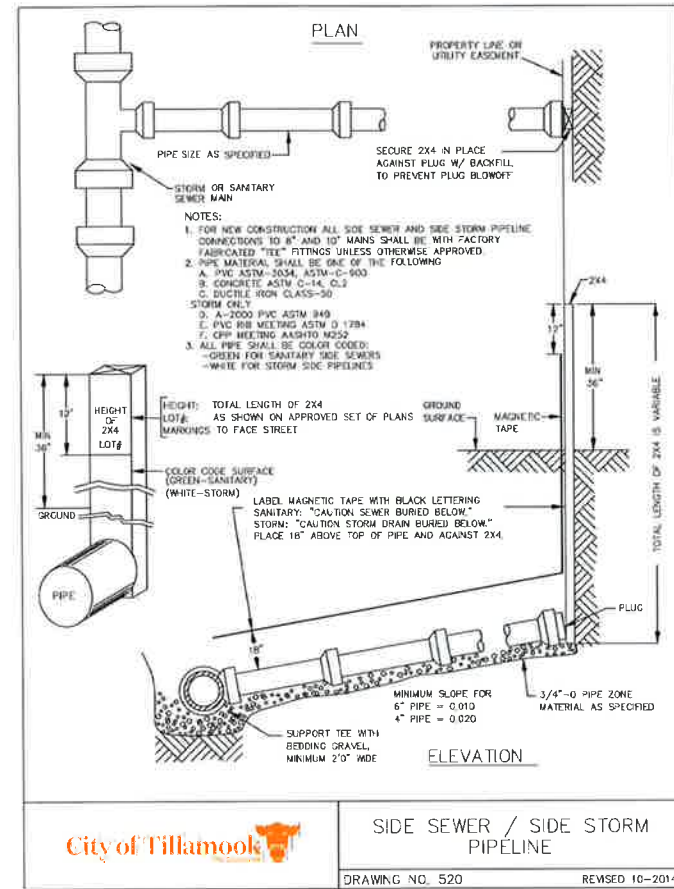
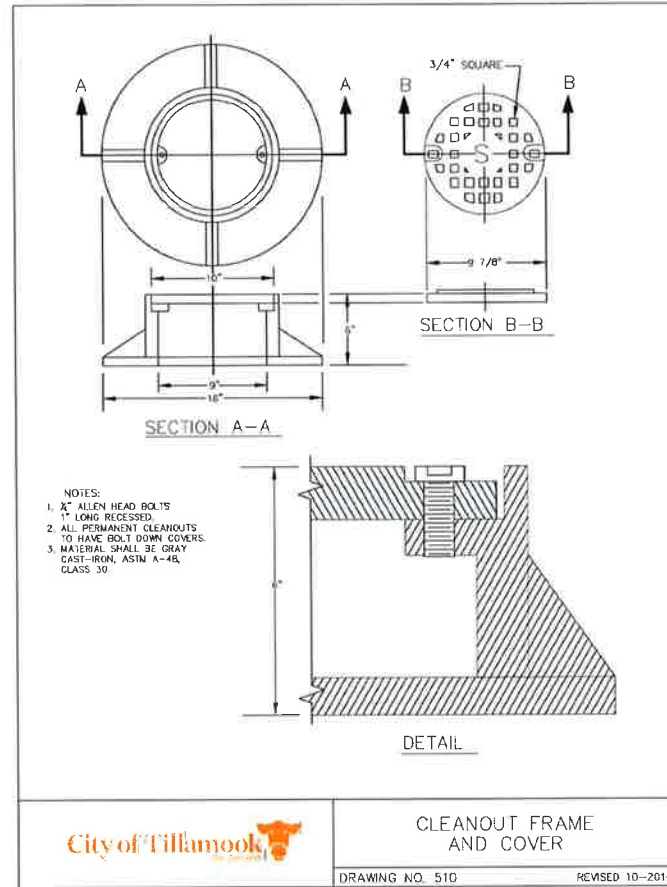
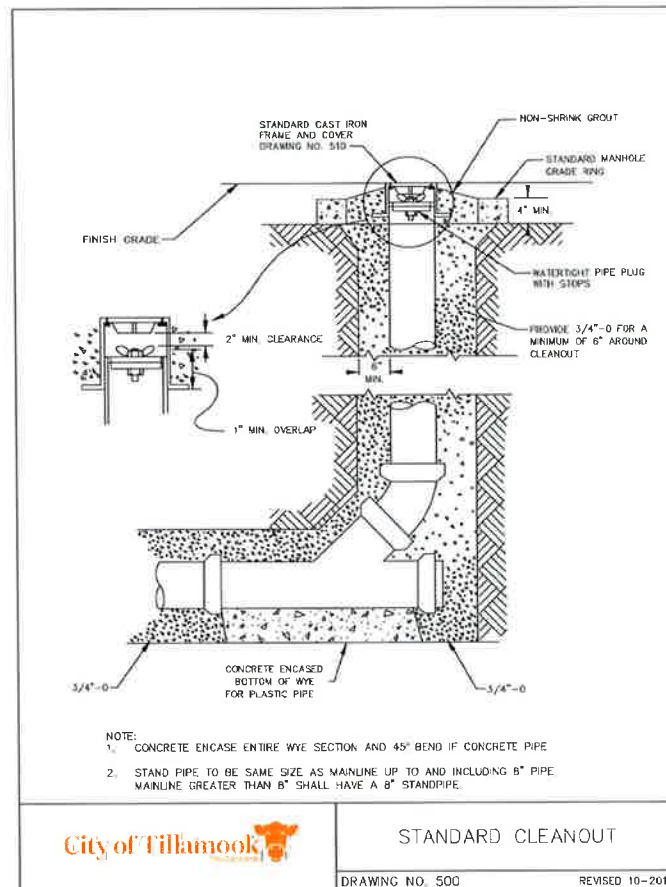
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